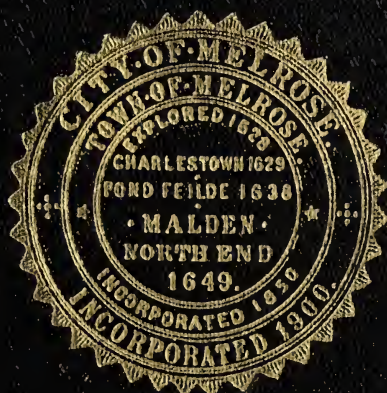




CITY OF MELROSE
MASSACHUSETTS

Annual Reports
1913

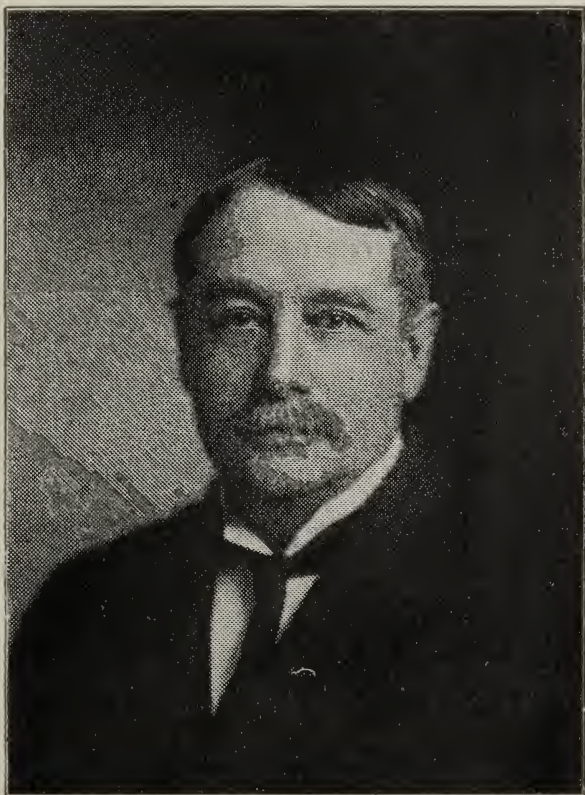
WITH

Mayor's Inaugural Address
Delivered January 6th, 1913



PUBLISHED BY ORDER OF THE BOARD OF ALDERMEN,
UNDER THE DIRECTION OF THE CITY CLERK

MELROSE, MASS.
MELROSE FREE PRESS, INC.
1914



OLIVER B. MUNROE
MAYOR



INAUGURAL ADDRESS
OF
OLIVER B. MUNROE
MAYOR OF MELROSE
DELIVERED JANUARY 6th, 1913

Mr. President and Members of the Board of Aldermen, Fellow Citizens:

In assuming the duties of the office to which I have been elected by the will of the people, I am keenly mindful of its responsibilities and the seriousness of the service which I am called upon to render. The people are demanding and have the right to demand that those whom they elect to public office shall "make good" and it is a gratifying sign of the times that they are holding those whom they thus honor, to a more rigid accountability for the trust reposed in them.

The chief executive who faithfully and efficiently serves the people must constantly have before him what the best interests of the community as a whole require, what is most conducive to its material welfare, its growth and prosperity along right lines, involving of course all questions of conveniences and improvements, a wise husbanding of its resources, its increase in enlightenment and morality, the promotion of law and order, the safeguarding of life and property, and the amelioration of conditions under which human life is lived.

It is evident that the successful meeting of these requirements involves the putting forth of the best effort of which one is capable. It involves the exercise of business acumen and common sense, of tact and breadth of judgment, a knowledge of human nature, alertness, continuous attention to the city's affairs, absolute honesty and integrity of purpose, an obedience to and enforcement of the law. It will be my constant effort during my incumbency of this office to give to the city the best that is within me to the end that the administration of our municipal affairs may be conducted along these lines, and such recommendations as I shall have to offer will be in accordance therewith.

Many and great improvements would be recommended and strongly urged by me at this moment if the present and prospective revenue of the city were such as to justify them. Such of them as I feel that the city is warranted in undertaking during the current year, I shall not hesitate to recommend. But while our financial condition is sound, it behooves us to see that it is kept so. In this connection, I ask for the hearty cooperation of the Board of Aldermen. With your body rests the authority to appropriate. I ask of you that you examine very carefully every request or order introduced for an appropriation.

While there has been an increase in taxable property during the past few years, it has not kept pace with the increase in expenses, and in order that the annual appropriation for current expenses may be kept within the \$12-dollar tax limit demanded by State law, it has been necessary to provide for outlays other than bare necessities by borrowing, as a result of which our indebtedness and our interest obligations have been increased.

I desire in this connection to call attention briefly to a statement, which the City Auditor has furnished me, showing a comparison of budgets, tax levy, tax rate, valuation, and population of 1900 with those of 1912.

COMPARISON OF BUDGET, TAX LEVY, TAX RATE, VALUATION, AND POPULATION OF 1900 WITH THOSE OF 1912.

Showing amount of increase and per cent of increase.

	1900	1912	Increase in 1912 amount per cent.	
Budget City,.....	\$240,662.41	\$335,743.72		
Overlay.....	3,309.39	12,466.03		
	\$243,971.80	\$348,209.75	\$104,237.95	42.70
Less Appropriated from Department receipts, Bank and Corporation Tax, etc.	\$40,825.00	\$41,817.01		
In Tax Levy for City Purposes.....	\$203,146.80	\$306,392.71	\$103,245.91	50.82
State Tax.....	\$6,645.00	\$27,000.00	20,355.00	306.33
State Sewer Tax.....	9,431.01	15,804.48	6,373.47	67.58

Metropolitan Park Tax.....	6,230.65	9,412.75	3,182.10	51.07
State Highway Tax.....	None	13.45		
Charles River Basin.....	None	1,323.34		
	\$22,306.66	\$53,559.05	\$31,252.39	140.10
County Tax.....	\$11,857.11	\$14,860.33	\$3,003.22	25.33
Total Tax Levy.....	237,310.57	374,812.09	137,501.52	57.94
Tax Rate.....	18.00	20.40	4.20	36.34
Valuation.....	\$12,778,365.00	\$17,422,800.00	\$4,644,435.00	36.34
Population.....	12,715.00	16,241.00	3,526.00	27.73

These figures show that while the total valuation has increased from \$12,778,365.00 to \$17,422,800.00, or 36.34 per cent., the total tax levy has risen from \$237,310.57 to \$374,812.09, or an increase of 57.94 per cent., necessitating an increase in the tax rate of \$2.40 per \$1,000 of assessed valuation, or 13.33 per cent. This rise in the tax levy has been rendered necessary largely by the increase in our various State taxes, which have risen from \$22,000 in 1900 to \$53,000 in 1912, equivalent to \$3.00 on a thousand on \$17,000,000 assessed valuation, also by the increased demands of the public for improvements and conveniences without a proportionate increase in revenue, to say nothing of the added cost incurred by the advance in the price of material and labor.

These figures, I hope, will show you the need of exercising wise economy in the making of appropriations during the current year.

There is, however, another side to the picture, which is very gratifying, namely, while our tax rate in the past few years has risen and our gross indebtedness has increased, the city's material assets have grown larger in a much greater proportion.

I have prepared a statement in this connection, with the details of which I will not weary you, showing that our total bonded debt December 28, 1912, was \$1,052,500.00, against which there were in the sinking funds to be applied to the payment of these bonds when they mature, \$524,001.90, leaving a net bonded debt of \$528,498.10. Our gross debt, including bonded, municipal and permanent debt and temporary loans in anticipation of taxes and other items, was \$1,298,822.81 against which, in the way of assets, there were sinking funds as above and other items, amounting in all to \$799,869.00, leaving the net indebtedness at \$498,953.53. Our material assets amount to \$2,012,944.84, including among the most prominent items the following:—School houses and land, \$530,845.00; sewer system,

\$443,564.22; water system, \$424,259.91; city hall and fire station, \$152,400.00; public library, \$66,900.00; surface drainage, \$148,523.64. fire department, \$63,224.55. Our material assets as compared with 1900 have risen from \$1,462,209.57 to \$2,012,944.84, or over a half-million dollars in 12 years, an increase of nearly 40 per cent., while our assets in the nature of cash, sinking funds, uncollected taxes, etc., have risen from \$290,419.93 to \$799,869.28. Any city, which can show such a substantial increase in its material assets and at the same time keep its net indebtedness within the limits shown by these figures, is certainly in a financially sound condition, and it is no wonder that its credit is of the highest order and that its bonds command a high premium in the financial markets of the world.

The amount which must be raised in 1913 for the payment of municipal debt is \$8,691.00 and of permanent debt \$18,310.00, making a total of \$27,001.00.

Loans have been authorized since the last budget was passed, as follows: Sundry notes, \$22,345.40; bonds, \$39,000.00, making a total of \$61,345.40.

Our borrowing capacity for 1913 is \$154,427.51.

BONDED DEBT, DECEMBER 28, 1912.

Auditorium Bonds.....	\$47,000.00	
Park Bonds.....	19,500.00	
School Bonds.....	278,000.00	
Sewerage Bonds.....	380,000.00	
Surface Drainage Bonds.....	125,000.00	
Water Bonds.....	203,000.00	
Total.....		\$1,052,500.00
In Sinking Funds to be applied to payment of above bonds at maturity:—		
School House.....	\$162,824.22	
Sewerage.....	219,582.34	
Surface Drainage.....	26,587.56	
Water.....	115,007.78	
Total.....		\$524,001.90
Net Bonded Debt.....		\$528,498.10
Bonded Debt.....	\$1,052,500.00	
Municipal Debt.....	8,691.00	
Permanent Debt.....	44,010.00	
Temporary loans in anticipation of taxes.....	163,900.00	

MAYOR'S ADDRESS

7

Cemetery Trust Funds.....	28,399.50	
E. Toothaker Trust Funds.....	1,322.31	
Gross Debt.....		\$1,298,822.81

ASSETS, DECEMBER 28, 1912.

Cash on hand.....	\$17,013.87	
Sinking Funds.....	524,001.90	
Due from Commonwealth.....	2,739.50	
“ “ Uncollected Taxes.....	215,903.16	
“ “ Uncollected Tax Titles.....	134.43	
“ “ Uncollected Tax Takings.....	6,087.00	
“ “ R. E. Possessions.....	2,968.12	
“ “ Sewer Possessions.....	471.76	
“ “ Moth Assessments (approx.).....	321.88	
“ “ Sewer Assessments (approx.).....	10,965.15	
“ “ Sidewalk Assessments (approx.).....	4,021.48	
“ “ Street Betterment (approx.).....	2,642.41	
“ “ Street Sprinkling (approx.).....	10,295.04	
“ “ Water Rates (approx.).....	2,303.58	
Total.....		\$799,869.28
Gross Debt.....	\$1,298,822.81	
Less Assets.....	799,869.28	
		\$498,953.53

MATERIAL ASSETS.

Auditorium (payments to date).....	\$71,575.75	
Brown Tail and Gypsy Moth.....	599.20	
Cemetery.....	36,815.00	
Charity Department.....	1,490.75	
City Hall and Fire Station.....	152,400.00	
Fire Department.....	63,224.55	
Health Department.....	806.14	
Highways.....	20,558.00	
Parks and Public Grounds.....	43,670.00	
Police Department.....	7,712.68	
Public Library.....	66,900.00	
School Houses and Land.....	530,845.00	
Sewer System.....	443,564.22	
Surface Drainage.....	148,523.64	
Water System.....	424,259.91	
		\$2,012,448.4

Average valuation for three years is	\$16,887,220.00	
Two and one-half per cent. of same is	422,180.50	
Net debt inside debt limit	\$264,098.59	
Authorized	3,654.40	267,752.99
Borrowing capacity for 1913		\$154,427.51
Valuation of City-1900		\$12,778,365.00
Valuation of City-1912		17,422,800.00
Schedule of City Property:—		
1900		\$1,462,209.57
1912		2,012,944.84
Assets:—		
Cash, Sinking Funds, uncollected taxes, etc.,		
1900		\$290,419.93
1912		799,869.28
Indebtedness:—		
Bonds, Trust Funds, Notes, Temporary Loans.		
1900		\$875,135.31
1912		774,820.91

On October 25, 1912, all of the books, securities, and cash in the hands of the Sinking Fund Commissioners were examined by the Massachusetts Bureau of Statistics and found by them to be correct and the Commissioners would recommend that a similar audit of their accounts be made every year.

The Sinking Fund Commissioners report that there came due, and they have paid during the year 1912:—

\$ 62,000.00	Water Bonds
25,000.00	Sewer Bonds
45,000.00	Town Hall Bonds.

\$132,000.00

and that there comes due during 1913, \$50,000 Water Bonds.

The Commissioners are continually purchasing Melrose taxable bonds as they come into the market, believing that the City, when security of principal as well as returns are considered, cannot find any better investments than its own bonds.

The Commissioners have during the year purchased several of the short time notes issued by the City for current expenses, thus saving the City the expense of certification which costs about \$35.00 on each note.

The Commissioners suggest that the City would save money by consolidating these small notes and issuing one note covering all of these small appropriations, as the small loss in interest would be more than offset by the large cost of certification of each small note.

ASSESSORS' DEPARTMENT.

An effort has been made each year for several years past to have the 12-dollar tax limit raised for current expenses or removed entirely. This would probably be entirely unnecessary if personal property paid its just proportion of the taxes.

The method of assessing taxes upon intangible personal property under Massachusetts laws is very unsatisfactory, although quite as good as in any other state, as under the Massachusetts laws, two persons may have personal property of the same value, but one may be perfectly fair and honest and willing to bear his share of the burdens and pay what he ought to. Another may intend to be honest, but still take advantage of some technicality of the law, and escape the payment of all or a large share of his taxes, thus putting more than the just proportion upon his neighbor. A larger proportion of the tax levy in Melrose should be placed upon personal property. Today the personal tax levy is about 15 per cent. of the whole. In Malden it is 20 per cent. Substantial progress has been made in recent years, however, by the assessors in securing an increased revenue through taxation of personal property. Thus the amount of personal assessment has risen since 1898 from \$724,249 to \$1,358,200 in 1904, and to \$2,213,000 in 1912.

It has been estimated by the deputy tax commissioners from figures taken from inventories filed in the Probate Courts of Massachusetts and comparing the assessable figures thus disclosed with actual figures from assessors' offices in the cities and towns from which these inventories came, that only about one-twelfth part of the personal tax of Massachusetts was assessed until after the death of the owners thereof.

HIGHWAYS.

It is unnecessary for me to enlarge upon the need of keeping our highways in good repair. The character and condition of a city's streets are potent factors in determining its prosperity and progress,

and it is not good economy to neglect them although for the time being it may appear to be so. It is unfortunate that the annual appropriation usually made for the care of our highways is not sufficient to provide for what is really needed to be done, to say nothing of the amount of permanent road construction which should be accomplished each year, and I would therefore advise that a special appropriation of liberal proportions be made for attaining the desired end. The longer this work is delayed, the costlier it will prove to be when it is undertaken. If it should seem wise to the Board of Aldermen that this recommendation be followed, I would advise that a beginning be made upon our main thorough-fares, including first, Main Street, and then following with cross streets. Main Street from Wyoming Avenue to the Wakefield line should be repaired and re-surfaced and should receive something in the way of permanent improvement as soon as the electric light wires can be placed underground and the tracks relaid in certain portions and brought up to grade where needed. In the meantime it should be curbed from Wyoming Avenue to Wakefield in places where curbing at present does not exist. Essex Street should be macadamized with tarvia finish from Main Street to Vine Street where needed. Wyoming Avenue on the north side should have curbstones from Hurd Street to Adams Street, and Hurd Street should be macadamized.

As to gutters, I would recommend that on the side hills of East Emerson Street, Morgan Street, Henry Avenue, Orris Street, from Walton Park to Warren Street on the west side, Cedar Park, and on Ashland Street, there should be paved gutters, and a special appropriation should be made therefor.

It is of course as necessary that we maintain satisfactorily what we now have, as that we enter upon new construction and constant and careful attention should be given to repair work. Modern methods of patching depressions in highways should be adopted and carried into effect. A moderate outlay in repairing, rightly done and at the right time, will prove very economical in the end. To neglect it may prove very costly in more ways than one. With the destruction of our streets by swiftly moving vehicles it is more than ever necessary that a sufficient amount of money be expended upon them to hold the surfaces together. Marked improvemens have been made upon our streets during the few past years, but we are appropriating less in our annual budget for highways than we appropriated during the last portion of our existence as a town, and this, notwithstanding the fact

that the hours of labor per day have been reduced, that the cost of all material is higher and that labor itself is higher. A larger expenditure can be satisfactorily made for the cleaning of our streets.

I do not expect that all these recommendations can be carried into effect at once, but I am reasonable, I believe, in making this request, that at least a beginning in accordance with some such comprehensive plan be made this year along the lines indicated.

CITY STABLES.

It is to the advantage of any city that it provide as far as is practicable against waste in any form. It is not good business policy to allow its materials and rolling stock to remain outside, exposed to the elements, in all kinds of weather. Deterioration and loss are sure to result and have resulted in the case of this city.

Under existing conditions our horses in the public works department have to be boarded and our implements, tools, rolling stock, and materials, and supplies of various kinds stored in different places or left in open lots. One of the things most needed in this city today is the establishment of city stables for the keeping of our own stock and the storing of everything in the way of material which the city owns, and they should be located as centrally as possible and near the railroad where unloading can be done at the least possible cost. If there is to be nothing done in this direction, larger and better accommodations should be secured at the expiration of the present lease on Linwood Avenue, or at least a shed should be erected at that place for the protection of our property. To continually delay action on this important matter is a penny-wise and pound-foolish policy.

Up-to-date methods of road repairing and construction and street cleaning are essential to economical effective work, and the use of suitable tools, implements, and teams is necessary if such methods are to be carried into effect. More horses are needed to take the place of those that are becoming unfit for service. If the money to accomplish these purposes is to be taken out of the usual sum expended for highway maintenance, the highways will suffer.

WATER DEPARTMENT.

The cost of the construction of our water system up to September 30, 1912, has been \$424,259.01 against which there are outstanding \$203,000.00 of sinking fund and serial bonds. The water loan sinking

fund December 24, 1912, was \$115,611.98 and the amount received in premiums on water bonds sold applicable to the payment of serial bonds was \$146.90. This leaves our net water debt at \$87,246.12, the annual interest charge on which is \$8,120.00. The average maintenance charge for the past three years has been \$11,291.67. The charge per annum has varied according to weather conditions. Thus last February, because of the very severe and unusual freeze-ups, the maintenance charge increased very seriously, for, while in 1910 and 1911 payments for water maintenance up to April 1, were but \$2,069.48 and \$2,029.60 respectively, the payments to the same date in 1912 were \$7,025.68, an increase of about \$5,000. The average State water tax for three years was \$20,606.37. The annual revenue for the past three years has been \$44,115.25. It will thus be seen that the annual revenue has exceeded the combined State water tax, maintenance charge, and annual interest charge by over \$4,000. It should be stated that our city is now all metered and that rates are generally satisfactory.

SEWERS.

Our sewer and surface drainage system should receive more attention in order that it be kept in perfect condition. From now on it will naturally require more attention to keep it clean and clear, and if necessary an increased appropriation should be made therefor. The demand for sewers is increasing as the city continues to grow, and wherever possible this demand should be granted. As recommended by my predecessor, a more equitable division of the cost in the matter of sewer assessments may be advantageously considered. In 1898, by vote of the town, an assessment of \$.20 per foot frontage and 5 mills per foot of area was established. This assessment might have been fair and sufficient at that time, but is now unfair to the city on account of the increased cost of material and labor, as a result of which the city's share of the cost is three times that of the individual. A reapportionment therefore would seem to be advisable.

SURFACE DRAINAGE.

Our surface drainage system, constructed a few years ago, as far as it has been carried, has worked efficiently and satisfactorily. The lack of drainage in the lower portion of our city, especially the Wyoming section, however, is still sorely felt. The problem of providing a sufficiently free and unobstructed flow of water which shall prevent

flooding along the course of Spot Pond brook in times of freshet by the water turned into it by the Metropolitan Board, from Doleful Pond, is one which is still pressing for solution, as well as that of remedying the situation with reference to Ell Pond brook. Last winter a commission was appointed, consisting of one person named by the Governor of the State, one by the Mayor of Malden, one by the Mayor of Melrose, and one by the Board of Selectmen of Stoneham, to investigate the condition of Spot Pond brook in Stoneham, Melrose, and Malden, and to report to the General Court before January 10 of this year. This commission, I am informed, has looked over the situation, and is preparing a report. This will of course be awaited with much interest. If this report, however, is to contain recommendations, the ultimate outcome of which is to entail a very large expense upon the City of Melrose, we may well hesitate before taking any decided action looking to such an end, especially as the present unfortunate situation is very largely due to the action of the Metropolitan Water Board in diverting the waters of Doleful Pond into the Spot Pond brook and the attitude of Malden in not removing in its territory the obstruction to the flow of the main stream to tide water. But the situation in our own territory can be greatly relieved by keeping the course of these brooks free and unobstructed, by deepening and widening to their legal widths these streams. The opinion that we cannot do anything unless Malden does very much, I believe to be greatly exaggerated. In the interest of the public health alone, to say nothing of the inconveniences to the people living along the lines of these brooks, caused by flooding, some definite method of relief ought to be entered upon as soon as it can be the most economically and intelligently done. The report of the Engineer and Superintendent of Public Works to the Board of Aldermen in 1912, relative to the condition of Ell and Spot Pond brooks, discloses lack of care for some years. It is my opinion that residents along Spot Pond brook have suffered too long and too seriously awaiting the determination of the responsibility of Malden, our own City, and the Commonwealth, for existing conditions. We must seriously consider whether not alone for sanitary reasons but from a purely business point of view, we should not begin to build a permanent covered conduit for that portion of Ell Pond brook situated between East Foster Street and Wyoming Station, and possibly we may find it desirable to permit abutments to use such covered portions as seems desirable, as was done with the Boston & Maine R. R. at Wyoming, thereby reducing the expense of the undertaking.

SCHOOLS.

The advantages of the maintenance of a high standard of excellence in our public schools cannot be overestimated, and every public-spirited citizen, who has the welfare of the community at heart, will insist upon it. The people of Melrose have for years shown a liberal spirit in providing funds for the carrying on of our public school system, although the cost of maintenance has called for a very considerable portion of the entire tax levy, being now approximately about \$100,000.00 per annum.

I am very happy to say, however, that there is substantial evidence of economy and business efficiency on the part of those who have charge of our schools, which will commend itself to the people. It is worth while in this connection to call attention to the fact that the average cost per pupil for all children in our public schools is practically the average for the state. The cost per pupil for the high school is only two-thirds the average for the state and only one-half what it is in many Massachusetts cities.

During the past year improvements and economies instituted by the School Committee have effected a saving of nearly \$2,000 per annum in the item of fuel. While there has been a slight saving in this respect in all the schools, the largest item has been in the High School Building, for whereas the amount of coal recently consumed there was about 600 tons, it is now less than 400 tons per annum, and during the coming year the amount will probably be nearer 300 with average weather conditions. The High School Building is today better heated and ventilated than ever before. By similar methods water rates have been cut in the past two years from \$940 to \$721, a saving of 23 per cent.

As additional evidence of business efficiency in the purchasing of material, supplies, and books, wherever the amount involved warrants it, bids are asked for all purchases and labor. Goods are bought where the price is the lowest, if the quality is satisfactory. Wherever prices and quality are equal, preference is given to local bidders and tradesmen.

The most serious problem which the School Board has had to face is the increase in the attendance at the High School, which has risen from 575 to 775, a growth of nearly 35 per cent. This condition, however, is merely temporary, owing to the elimination of the ninth grades. I am informed that as nearly as can be estimated, this number by 1915,

will drop to 700 and in 1916 to about 600. Meanwhile, by practising economy in the matter of supplies, the large increase in cost of High School text-books has been provided for out of practically the same amount of appropriation as the department has received for years and in spite of the increase of six teachers in the High School. The committee has in short, by consolidation and other economies, kept its total appropriation at approximately the same amount.

On the other hand, our elementary schools have not been neglected. They are better supplied with books than ever before. The essential studies, reading, writing, arithmetic, and English language, are better taught than ever. Expert supervisors are aiding the teachers in their work and our schools are constantly visited as models by teachers and supervisors from other cities.

The perfection of the present system without further extension, is the policy of the administration until such time as the reduction of the High School attendance makes possible a broader course without increasing the appropriation.

PUBLIC LIBRARY.

The needs of the public library have been as intelligently and effectively met by the Board of Trustees as the appropriation made by the City would permit. Considering what we have had to do with, we may take just pride in the present condition of our Public Library, which gives evidence of wise and careful selection. There are now over 19,000 volumes in the library. During the year over 71,000 books were issued, and there are from 5,000 to 7,000 card holders. About 1,000 new books are added yearly, the number varying with the amount of the appropriation and the class of books purchased. There has been a steady increase in attendance and in the number of books issued.

During the year the work of re-classifying and re-cataloguing the library by up-to-date methods has been undertaken and nearly completed. It has been a large and expensive work, but was demanded by the constantly increasing scope and activity of the library, and will add greatly to the orderly and efficient administration of its affairs.

CHARTER REVISION.

The acting chairman of the Special Committee on Charter Revision has reported to the Board that said Committee appeared before the Legislative Committee on Cities as directed by the Board, and that the whole subject was referred to the General Court of 1913. This report of the Charter Revision Committee has been referred to your Honorable Body, and I would recommend that early action on this subject be taken by you. I firmly believe that our City Charter may be wisely revised in some particulars. I believe in increased publicity, a change in the referendum clause of our present Charter and a smaller legislative body. If unanimity of action on this matter cannot be reached, it would be in order, it seems to me, to put the matter up to the people for them to vote upon at a public election, and the popular will thus be obtained as to whether such changes as I have indicated and possibly others should be adopted.

HAWKERS AND PEDLERS.

I strongly urge an early revision of the ordinances regulating hawkers and pedlers. We should do all in our power in accordance with the general law, to protect the people from the impositions of outside persons engaged in this business, and to protect those of our own citizens who are pursuing their calling in a legitimate way. Neighboring municipalities are making more stringent regulations regarding this matter and, as a result, unless we do something, Melrose will become the refuge for undesirable hucksters and the dumping ground for objectionable food products of various kinds. The City of Lynn has improved conditions in this respect by establishing a board of control, consisting of the Chief of Police, Sealer of Weights and Measures, and an Inspector of Provisions, with power to issue and revise licenses and permits. They purpose to refuse permits to non-residents, thereby forcing them to take out a license at the State House, which will mean, in the case of Melrose, \$21.00 income to the City on each license. This matter should be acted on before March 1st, at which time new licenses will be issued. We must have better control of outside hawkers and pedlers if our own people are to be protected.

FIRE DEPARTMENT.

It is perhaps needless for me to call attention to the high degree of efficiency which the fire department has shown in fighting fires. Its alertness, skill, and generally effective action have prevented extended destruction of property on many an occasion through its success in quickly extinguishing a blaze or confining it in every case within the structure in which it originated. Promptness in reaching fires and quickly-acting apparatus are essential to success in this respect. This is exemplified by the excellent and satisfactory work done by the auto chemical and hose apparatus at the Highlands. I would recommend the purchase of a two-tank combination chemical and hose auto for the Central Station, with two more permanent men, one of whom will be rendered necessary owing to the adoption by the people of the act allowing the permanent men one day off in five. This would dispense with the use of one horse, whose cost would amount to \$200 per annum. If the combination chemical and hose auto is not procured, at least two new horses will be required by the department this year. I would recommend the purchase this year, also, of additional hose.

POLICE DEPARTMENT.

The City of Melrose has a good police department. The members of the force are loyal and faithful in the discharge of their duty, and in many respects they have established a record creditable to the City as well as to themselves. Good police protection is worth a great deal to a community. The intelligent enforcement of law and order must be insisted upon and a sufficient expenditure must be made to ensure this result. A rigid enforcement of the law against the sale of intoxicating liquors will be steadily advocated and urged by me during my administration.

The police signal system recently introduced, has more than demonstrated its actual worth. It has been efficient and satisfactory, but of course needs to be properly cared for and kept in perfect condition. If the duties of wire inspector and superintendent of the fire alarm and of the police signal systems can be consolidated under one official, who can at the same time fill the position of a permanent member of the fire department, it would seem to me that this would be a move in the right direction. While it behooves us to move carefully

in adding to the expenses of carrying on this department, I am strongly of the opinion that an additional officer is needed to cover the lower portion of the East Side, or that portion of the City extending from Foster or Grove Street to the Malden line.

PUBLIC HEALTH.

The general sanitary condition of Melrose was never better than it has been during the past year, which accounts for the fact that our expenditures have been, during that time, somewhat below the average of recent years.

The public interest in all sanitary matters is wide spread. Year by year, in Massachusetts, the General Court places new and important duties upon her State Board of Health and upon all local boards as well. As showing the extent and scope of recent legislation, the following requirements may be cited:—

1. Medical inspection of schools.
2. Responsibility for and temporary care of the insane, pending admission to hospital.
3. Immediate visitation and care of all cases of sore eyes of infants under two weeks of age.
4. An examination of and health certificate for all children between the ages of 14 and 16 years, who may wish to go to work.
5. And one of the latest, requiring notices of births to boards of health, that they make an investigation of the cases of infants in the home.

The world-wide interest in tuberculosis as a communicable and preventable disease is well known. In this respect it may be of interest to know from the last report of the Board of Health, that only 15 cases of tuberculosis were reported in 1911 as against 27 in 1910, and only 10 deaths in 1911 as against 17 in the previous year.

BUILDING ORDINANCES.

I am earnestly in favor of an early revision of our building laws. With the increase in population and the congestion of certain districts and the added fire hazard resulting, the necessity of improved building construction is apparent. The erection of three and four "deckers," as they are familiarly termed, which are too frequently of light wooden

type of construction, should be prohibited, unless they are of absolutely fireproof construction. Otherwise they are a menace to life and property and are a serious detriment to the neighborhood in which they are built. They bring additional cost to the City and depreciate surrounding property. A due regard for the safe-guarding of the interests of the community and the continuance of Melrose as a city of homes of a good character demands that this matter be given early attention. The height to which any building of wooden walls may be built should be definitely defined, and where the required limit is to be exceeded the use of incombustible material in the walls should be insisted upon, as for instance, brick, stone or cement. In the internal construction of buildings every reasonable requirement should be insisted upon which will reduce the conflagration hazard and protect and promote the health and safety of the inhabitants. We cannot be too careful in guarding against undesirable methods of building construction. I believe not only in a wise revision of our building ordinances, but also in a rigid enforcement of such ordinances as we now have for the safe-guarding of life and property.

TRANSPORTATION FACILITIES.

I desire to urge strongly the necessity of this City securing improved transportation facilities. The City is entitled to them in view of the valuable rights and privileges which have been obtained from it by the management of the street railway corporation. We suffer from their regularities and uncertainties of time schedules, the consequent delays and inconveniences, and the crowded condition of the through cars from Lowell and Lawrence, to say nothing of the insufficiency of heat at times when it is required that the cars be heated, and the need of additional waiting stations. We have the right to insist upon additional and better accommodations, which will be conducive to the comfort and convenience of the people. The East Side, as well as the West Side, of this City, should be better provided with transportation facilities. Pressure should be brought to bear upon the proper authorities to secure, if possible, the establishment of a line through Lebanon Street to the Maplewood line to connect there with the Boston Elevated tracks. This would be a great convenience to a considerable portion of our people living on the East Side, and would be a potent factor in developing a large portion of our territory and increasing the City's revenue. I stand ready to do all in my power to secure the consummation of this much desired object.

PARKS AND PLAYGROUNDS.

The development of our local park system, especially that portion of it adjacent to Ell Pond, has been carried on efficiently and wisely under the direction of the Melrose Board of Park Commissioners. The results thus far achieved are creditable to the Board and are an added asset to the City. Now that the people have voted in favor of the appropriation, through a bond issue, providing for the acquiring of the upper ice-house property, and the securing of land on the west shore of the pond, a very important step has been taken looking to the beautification of the centre of the City and the removal of another unsightly structure on our main thoroughfare, and in giving the City further control of the shores of the pond. Substantial progress can therefore be made this season in carrying out the excellent plans along which the Park Commissioners are working, which will doubtless appeal to every public-spirited citizen by increasing the attractiveness of Melrose as a residential City of the right kind. A further appropriation for the continuation of the work on the park area north of the pond should be granted, enabling the Commission to complete the work of grading the land and finishing the athletic field on which work was begun the past summer.

The need of playgrounds for the younger portion of the community is becoming felt more and more, especially where, in some sections, they have no place in which to play except in the streets, to the inconvenience of passers-by and the danger to the children themselves. I would recommend that the Commission take some action looking to the acquiring of smaller areas where necessary, which may be utilized as playgrounds for the younger as well as the older boys and girls. School children should not be compelled to play in the streets for lack of sufficient school yards.

TREES AND MOTHS.

The City should, so far as its financial ability permits, exercise great care in the preservation of its trees. Private enterprise has done much, but authoritative action on the part of the City is necessary if we are to preserve and maintain what we now have. The ordinance providing that the wires of telephone, telegraph, electric light and street railway corporations be effectually insulated when they come in contact with the limbs of trees, should be rigidly enforced. I am sure that the citizens would unite in any effort which the City Government

might make, looking to the planting of new trees in populated thoroughfares which are without trees.

In this connection the suppression of insects which eat the foliage of our trees becomes of paramount importance. The situation has been much aggravated during the past two or three years by the unusual activity of the imported elm leaf beetle and the unwelcome but persistent industry of the terribly destructive leopard moth, which bids fair to destroy everything green which the elm leaf beetle, the gipsy and the brown tail moths neglect. A great deal of pruning has been done during the present year and very much more should be done during the coming year in order to insure the greater safety of the travelling public as well as to prevent the probability of accidents to the men who climb the trees.

Much underbrush has grown up on the many vacant private lots throughout the City, most notorious nesting places for the brown tail and gipsy moths, and these places should be cleaned up during the coming year.

It is becoming more difficult year after year, to secure good capable men to engage in the extra hazardous task of climbing trees at the same price per day as is paid to the most ordinary laborer working in apparent security upon terra firma.

CEMETERY DEPARTMENT.

While the interior of the cemetery is in good condition, the approaches are not such as to commend themselves as being in keeping with a well laid out plan. Not only should the approach from Main Street over Sylvan Street, be made more attractive as can easily be done by the application of a little landscape architecture but the easterly entrance near Lebanon Street can and should receive consideration.

The time has also arrived when the City, in order to have sufficient burial space to enable our citizens to exercise a reasonable choice, must avail itself of a small part of the land known as the Pratt Farm and the Gobel property, originally purchased for the purpose.

A plan for this has been prepared by the Cemetery Committee, which includes also a new approach from the foot of Linwood Avenue in connection with additional lots for burial.

This and the completion of the development of the swamp in the centre of the cemetery, now well under way and the improvement of

the westerly entrance will require an expenditure this year which has been requested by the Committee and is now before the Board of Aldermen. It is desirable also that some improvement be made in the internal arrangement of the tomb, which will provide for a more modern plan for arranging of the bodies which are temporarily held in the tomb awaiting burial in the spring of each year.

I feel that the City would be warranted in making an appropriation in addition to the amount usually granted in order that a beginning may be made looking toward the carrying out of these objects.

THE MEMORIAL BUILDING.

The construction of this memorial building during the past year has been successfully accomplished by an efficient building committee. It is in every way a first-class structure of its kind. It has been built wisely, honestly, with careful attention to every detail of construction. The work has been carried forward by the contractor with signal ability and skill, and good value has been received for the money expended. It stands today as a fitting memorial to commemorate the great services of the soldiers and sailors in the War of the Rebellion, and should prove an inspiration to the present as well as to succeeding generations. With its beautiful hall in which these exercises are being held, to be devoted to public uses, it supplies a long felt need, the advantages of which will be appreciated as time goes on.

While the acceptance by the City of this beautiful structure, has brought with it its obligations and responsibilities, the patriotic phase of this whole movement and what this building stands for, must never be lost sight of. I believe that as a potent factor for good in the uplifting influence which it will exert, in the growth of our civic spirit, which it will intensify, and in the cooperative tendency which it will strengthen, its influence will be far-reaching and long felt.

The question of relieving the present crowded conditions at the City Hall, is one which ought to be taken up. The situation in several departments is becoming almost intolerable. I would recommend that a special committee be chosen by your body at an early date to investigate the situation and make such recommendations in reference thereto as may seem advisable.

CHARITY DEPARTMENT.

The charity department was recently re-organized and its affairs have been conducted with reasonable economy and efficiency. The Overseers have apparently carefully investigated all cases carried on the books of the department and each new application for relief, with a view to eliminating the unworthy and preventing imposition upon the City, and actively endeavoring to extend the maximum amount of relief possible within the limits of available appropriation to those unfortunates throughout the City, who are in genuine need.

The City Home has been equipped with modern conveniences and much time has been devoted to promoting the comfort and happiness of its inmates, and it is believed that from the attention and care they are today receiving, they enjoy the advantages and benefits of a real home, so far as the same can be reasonably expected in a public institution.

I trust that during my administration the work of the Board will be wisely planned and efficiently executed and that so benevolent a phase of our City's activity will remain an ever-increasing factor for Christian good in our community.

CONCLUDING REMARKS.

There are many important matters in connection with the municipal administration to which attention might be justly called, but the extent of this address has already exceeded the limits originally intended. The question of public lighting might receive our attention. Are we paying more for our public lighting, considering what we are getting, than our sister communities? What steps, if any, should be taken to secure a better lighted city at a smaller unit of cost? This may prove to be a matter which it will be worth while for us to look into.

Gentlemen of the Board of Aldermen:—

To us has been entrusted the important duty of administering the affairs of our City wisely, efficiently and honestly. A few suggestive words by me in closing, I am sure, will be taken by you in the same friendly spirit in which they are uttered, to the end that we may work together for the City's best interests, harmoniously and effectively. Let us approach the solution of every problem which confronts us with courage and free from personal, partizan or political

prejudice, act in accordance with what we consider to be for the welfare of the community as a whole. Let us try to enter upon our tasks with a clear and full understanding of their nature and their import with reference to the welfare of the people. There will necessarily be differences of views, but a full free and honest interchange of opinion is always productive of good, and I have no doubt that it will be so in your deliberations. Avoid the enactment of legislation which savors of an oppressive, irritating or annoying character. This community is run for the benefit of the people who inhabit it. They have delegated to us certain civic functions, which we are obligated to faithfully perform. Such constructive legislation as you may enact, may it be entered upon carefully and judiciously with a thorough knowledge of the facts involved and purposes which it is sought to accomplish. Anticipating that our relations with each other will be pleasant and profitable to the City, I assure you of my hearty cooperation in any laudable work upon which you may enter.

And now, my fellow-citizens, I will take up the duties of my office, with the earnest desire to discharge them in such manner as will prove most conducive to the City's welfare, with a sincere purpose to safeguard the interests of the people, so far as lies within my power, and with a grim determination to do the right, as it has been given to me to see the right.



ANNUAL REPORT
of the
SCHOOL DEPARTMENT

CITY OF MELROSE
1913

SCHOOL COMMITTEE FOR 1914

Name	Residence	Term Expires
Sarah A. Day . . .	45 Ashland Street . .	January, 1914
Eben F. Phillips . .	12 Orient Place . .	" 1914
Wallace R. Lovett . .	12 Fairmount Street . .	" 1914
William Coggeshall . .	158 E. Foster Street . .	" 1915
Frank L. Welt . .	31 Malvern Street . .	" 1915
Lowell F. Wentworth . .	19 Bartlett Street . .	" 1915
Isabelle Stantial . .	146 Florence Street . .	" 1916
Elmer O. Goodridge . .	148 E. Foster Street . .	" 1916
William A. Morse . .	15 Auburn Place . .	" 1916
Lowell F. Wentworth, <i>Chairman</i> ,		Isabelle Stantial, <i>Secretary</i>

Meetings of Committee.

Meetings are held on the second and fourth Mondays of each month, except July and August, at seven-thirty p.m.

Superintendent of Schools.

John C. Anthony, 14 Mt. Vernon Street

Office: High School Building

Office Hours: 8 to 9 a.m. on school days, and 4 to 5 p.m. on Monday, Tuesday, Thursday and Friday. Office Telephone: 55.

Superintendent's Secretary.

Helen M. Aldrich, 94 Myrtle St.

STANDING COMMITTEES.**Finance and Supplies**

Mr. Phillips	Mr. Goodridge	Mr. Lovett
	Mr. Morse	

Schoolhouses and Janitors.

Mr. Goodridge	Mr. Welt	Mr. Morse
	Mr. Coggeshall	

Teachers and Salaries.

Mrs. Day	Mrs. Stantial	Mr. Phillips
	Mr. Coggeshall	

Text Books and Courses of Study.

Mr. Welt	Mrs. Day	Mrs. Stantial
	Mr. Lovett	

SPECIAL COMMITTEES.**Legislative.**

Mr. Morse	Mr. Goodridge	Mr. Lovett
	Mr. Coggeshall	

VISITING COMMITTEES.

High School.....	The School Committee
Franklin and Whittier Schools.....	Mrs. Day
D. W. Gooch School.....	Mrs. Stantial
Mary A. Livermore School.....	Mr. Phillips
Washington School.....	Mr. Welt
Lincoln School.....	Mr. Lovett
Winthrop School.....	Mr. Goodridge
Joseph Warren School.....	Mr. Morse
Sewall and Ripley Schools.....	Mr. Coggeshall

SCHOOL CALENDAR FOR 1914.

WINTER TERM 1914.

Opens January 5th and closes February 20th.

SPRING TERM 1914.

First Half: Opens March 2d, and closes April 24th.

Second Half: Opens May 4th, and closes June 24th.

FALL TERM 1914.

Opens September 9th, and closes December 23d.

HOLIDAYS DURING TERM TIME.

Every Saturday, Washington's Birthday, Patriot's Day, Memorial Day, June 17th, October 12th, and Thanksgiving Day, with the half day preceding and the day following it.

"NO SCHOOL SIGNAL".

Notice of "No School" will be given by striking the number 22 four times upon the fire alarm, and by sounding the whistle at Factory No. 2 of the Boston Rubber Shoe Company.

The signal will be sounded at 7.15 A.M. for no session in the High School, and at 8.30 for no morning session in all grades below the High School. In case there is to be no afternoon session, the signal will be sounded at 12.45.

Report of the Superintendent of Schools

*To the School Committee of Melrose,
Ladies and Gentlemen:—*

The following report of the public schools of the city is respectfully submitted for your consideration. This is the twenty-fourth in the series of annual reports by the Superintendent of Schools, and the fifth by the present incumbent of that office.

This report is largely a consideration of the failure of the public school system of the country, as exemplified in our own schools, from the standpoint of present day criticism and the changing standards of public education. In commercial life, a business house would be greatly concerned if it could not deliver its goods to one-fourth of its patrons. The public schools should take the same attitude. We are not, under the present system, "delivering the goods" to more than three-fourths of our children. It is time that the community should know all the facts in the case, face conditions frankly, and advise and support the school authorities in their endeavor to provide for all our children.

We are passing through a period of transition and of reorganization in public education, as we are in commercial and national affairs and in social conditions. It is a time of questioning and criticism, of experiment and change. School authorities very properly may resent certain wholesale and unfounded criticisms, for, whatever faults exist, our public schools are still justified in their function as makers of democracy.

This mass of criticism, however, denotes that the needs and demands of the people in respect to public education have changed, and that educational progress is to be given a new impetus. The demand for traditional academic training has been insistent for the past one hundred years, and this type of education has been given successfully by the public schools to those children *whose abilities lay in that direction*. This

type of education is still, and undoubtedly will continue to be demanded for a large number of our children, but it will be improved, by life-touching modifications in the subject matter.

The new idea of the change in the purpose of public education, as it seems to be crystalizing in the minds of educators as well as of the public, is that all the children of all the people should be trained according to their individual abilities and future needs. Here, justifiable criticism touches the weakest spot in the public school system of to-day, for it is an undeniable fact that present day courses are not adapted to about one-fourth of our children.

It is easy to "stand pat,"—to exalt our public school system, to gloss over or refuse to acknowledge its deficiencies. It is more difficult to face them and attempt to correct them. In the past we have been prone to accept the very evident success of a majority of the children as indicative of the success of all, or if we acknowledged failure in some cases, to hold it against the child rather than against the system. We have assumed that every child ought to be "long" as one writer expresses it, in a very small group of arbitrarily chosen and traditionally accepted subjects. If a certain group failed in these, we have not studied these children individually to discover their abilities in other subjects, or in the vast field of human activities, but have taken it for granted that they were bound to be failures always, and all too often have made them understand our attitude. If life failures have sometimes resulted from such a system, those failures lie squarely at the door of the public school.

If we are to correct this weakness we must search out the children who fail, the subjects in which they fail and the subjects in which the most failures occur. We must then determine whether the cause of failure lies with the schools as now administered, or with the child. If with the former, it may be poor teaching, improper grading of material, or it may lie in the subject matter itself. If the cause lies with the child, assuming that his health is good and his attendance regular, we usually find that his aptitudes do not run in that direction,—that he is "short" in arithmetic, grammar, or some other subject. If the child is diligent, but cannot grasp certain subjects in which the majority of his mates are "long,"

there is no reason why he should be shamed in his little world, or why his parents should be disturbed. He is undoubtedly "long" in other lines which the public schools do not recognize, and if we have certain groups or individuals to whom present courses are not suited then it is the public school that should be concerned to discover material adapted to their abilities and needs, in order that *all* the children should be given work in which they can be trained to success rather than to failure.

Melrose schools have been working diligently at the first part of the problem. In the annual report, for the year 1909, was presented a detailed study of retarded pupils, that is, of those children who failed of promotion. The study showed that, although in our own schools there was economic waste, yet in comparison with other systems throughout the country, we ranked very high.

Since that time, although we have been busy with the many changes inaugurated the year before and not yet fully completed, yet the matter of failures has received constant and conscientious attention. The teaching has been more closely supervised, greater attention has been paid to individuals, courses have been re-organized and the subject matter of various studies has been re-graded. The figures which will be given later show that these efforts have been helpful. Melrose schools, in the traditional work to which they have been obliged so far to confine themselves, rank high among other systems, and are constantly improving their own record. Yet there is far too large a proportion of our children who are constantly failing,—not because they are not bright enough along certain lines, but because those are not the lines on which we are running the public schools. Our next problem is to find out what these children can do successfully and to give them a chance to do it.

The following facts in regard to the elementary grades, while they show that our schools are making a definite advance along the line of present day education, show also to what a startling extent we are failing, as a community, in doing our full duty by all our children. Figures are given for the last three school years, as uniform records along these particular lines are available only during that period.

NUMBER OF CHILDREN NOT PROMOTED.

All Grades.

1911				1912				1913			
Girls	Boys	Total	%	Girls	Boys	Total	%	Girls	Boys	Total	%
88	124	212	9.8	103	113	216	10.8	75	89	164	8.5

NUMBER OF CHILDREN WHO FAILED IN ONE OR MORE SUBJECTS

All Grades.

1911				1912				1913			
Girls	Boys	Total	%	Girls	Boys	Total	%	Girls	Boys	Total	%
230	293	523	24.2	244	295	539	26.9	183	250	433	22.6

NUMBER OF FAILURES IN DIFFERENT SUBJECTS.

All Grades.

1911		1912		1913	
896		970		704	

The year 1912 marks the period of greatest readjustment, while 1913 begins to show the improvement as a result of the changes made.

The large number of failures which still persist in the upper grammar grades, as pupils advance in the subjects, show to what a considerable extent present courses in these grades fail to fit the abilities of our children.

WHAT ARE WE TO DO ABOUT IT?

It is not sufficient to say to one-fourth of our children, "This is what we offer you,—if it does not suit your needs, the sooner you leave the better." We have a larger duty to these children and to the society of which they are members.

As we study the causes of these conditions we find a small percentage of failures due to absence on account of sickness, more or less unavoidable; or on account of neglect, which is being corrected, so far as is possible by a strict enforcement of the law of attendance. These cases, however, while they need special attention, are not necessarily a part of the problem here considered. The rest of the failures fall, roughly, into two groups, first, those children who might be able to do the regular work if given more individual attention, and second, those who never can do the full academic

work now required, and for whom a separate course should be provided. This course should give to each child the minimum essentials of the regular work so far as he can grasp them, and in addition should offer instruction along practical lines according to his tastes and abilities.

We could not at once divide these groups accurately. We could, however, easily select certain children who, if given greater individual help, might go on with the regular classes. We could select others who, without any question, should be in special classes. The rest could be placed only after careful study, when proper conditions shall have been provided.

The first step in solving this problem must be the opening of a special class in each district. This would at once accomplish two objects. It would provide special work for those who need it, and it would relieve the regular classes, which are much over-crowded.

The next change needed is a differentiated course of study for those left in the regular classes, beginning in the seventh grade. Such a course should offer, to those children not preparing for college, the essential work of the present course, vitalized by close contact with their every day life and needs. It should also offer work along practical lines, for both boys and girls, leading up to similar work in the High School. Those children who intend to enter college, or some higher institution after leaving High School, could then be grouped separately in a part of their work, at least, and be given a much more thorough preparation. Both these courses, however, should be so planned that children may cross from one to the other at any time before the third year in the High School, without serious loss of time.

THE PROBLEM IN THE HIGH SCHOOL

The problem in the High School is essentially the same, and even more vital. The years from fourteen to eighteen is a period when ideals are developed and habits are fixed,—when one's whole attitude toward life receives its greatest impetus and direction. If our young people are allowed to

“dawdle” during these years, through courses which have no vital meaning to them, and therefore do not appeal, or if those, who must soon become breadwinners or breadmakers, are forced into courses which, to them, lead nowhere,—then we lose, for life, the tremendous impetus of an enthusiastic youth, properly directed.

In considering present conditions in the High School it is evident, as in the grades, that, in comparison with other schools which are doing the same type of work, we stand high, in spite of our rapid growth, many changes and low *per capita* cost.

Under the old course of study the only requisite for promotion from class to class was the passing of the one subject of English, which was the only *required* subject in any year. Under the new course, which went into effect in September, 1912, a definite number of subjects must be passed each year to obtain promotion, and a higher standard of work has been insisted upon. Again, the re-adjustment of the whole system during the past four years, including the reduction of the elementary schools to an eight grade system, has resulted in the last two classes being somewhat less mature than incoming classes should be a year or two later. Furthermore, the school has increased rapidly in size, and each teacher has considerably larger classes than can be taught to the best advantage. Under these new and rather difficult circumstances, it was natural to expect a larger proportion of failures than after these conditions had become settled. We find, however, that there is a smaller percentage of failures than ever. Moreover, we have at hand a study of deficiencies made by one of the Boston High Schools of the highest standing, with about the same number of pupils. The comparative figures show that the percentage of failures is less in Melrose High School in nearly all subjects.

In spite, however, of this excellent showing in comparison with other schools and with our own previous record, yet the number of misfit pupils is altogether too large and the failures alone do not show them all. Probably there are at least as

many more now taking Latin, algebra, and even modern languages, to whom practical courses would appeal far more strongly, from the standpoint of their abilities and future needs.

For the boys, the present course in practical engineering offers the basis for a course in forging, filing, and chipping, machine work and the elements of steam-fitting and plumbing. The classes in woodworking should be broadened to courses in practical carpentry, shop work and cabinet making. Incidentally, instruction should be given in painting, cement work, soldering and other fundamental processes underlying various trades, together with a study of vocations.

For the girls, we should offer a very practical course in domestic science and domestic art, including cooking, millinery and dress-making, the study of clothing and its remodelling, of hygiene and sanitation, household management, design and decoration, home economics and a study of vocations.

Such a complete re-organization of a school system as here outlined cannot be perfected in a few months. It should be gradually developed over a period of years, with full knowledge of what other cities are doing along similar lines. Moreover, while the school authorities may instal such changes, they cannot be fully effective without the hearty approval and active co-operation and support of the citizens. When in full operation, in the elementary grades and in the High School, such a system would undoubtedly add to the present current expenditures for schools from eight to ten per cent, for additional special teachers and equipment. A portion of this amount will be furnished by a considerable decrease in our High School in 1915 and 1916. The rest should be furnished by additional appropriation as needed. The result would be a school system fifty per cent more effective for all the children. It is for the community to say whether they will be satisfied longer with the present system of education, or furnish the money for a better one.

FINANCIAL.

We give below tables showing amounts spent under the various items of the State Classification, the amounts used for various departments of the school work, and the *per capita* cost for the *school year ending* June 30, 1913. No single item has been exceeded, and a total net balance of \$204.45 has been returned on the regular appropriation. The figures given below do not form a basis for comparison with previous years, as the State Board of Education, for the first time, has changed our fiscal year to correspond with the school year. As the heaviest disbursements naturally come during the school year, this change has apparently increased somewhat our *per capita* cost. It is still, however, \$1.46 below the average for the State. Furthermore, comparing the city fiscal year of 1913 with that of 1912, we find that, while our average membership was larger, yet the appropriation for current expenses was increased by only 1.3 per cent. If our High School had cost as much, *per capita*, as the average for the State, the cost of our school system would have been increased by \$17,236.19.

The last financial table gives the receipts and expenditures for the *city fiscal year* ending Dec. 31, 1913.

Respectfully submitted,
John C. Anthony,
Superintendent of Schools.

IN SCHOOL COMMITTEE,
January 26, 1914.

Voted:—To accept the report of the Superintendent of Schools and to adopt it as the report of the School Committee for the year 1913.

TOTAL COST OF ELEMENTARY SCHOOLS.**School Year 1912-13.****General Control**

General Administration Salaries.....	\$1,954.38
Other General Salaries.....	1,007.02
Other General Expenses.....	472.97

Instruction

Teachers' Salaries.....	43,508.65
Text Books and Supplies	3,825.02

Operation of School Plant.

Janitors' Services.....	\$4,520.00
Fuel and Light.....	4,336.97
Water and Miscellaneous.....	843.90

Maintenance of School Plant.

Repairs, Replacement and Upkeep.....	\$2,847.95
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Auxiliary Agencies.

Transportation.....	\$620.75
Tuition and Miscellaneous.....	1,562.11

 \$65,499.72
AVERAGE COST PER PUPIL, ELEMENTARY SCHOOLS

for these items, for the School Year, 1912-1913, based on the **average membership** (1917.98) was as follows:—

General Control.

General Administration Salaries.....	\$1.02
Other General Salaries.....	.53
Other General Expenses.....	.25

Instruction.

Teachers' Salaries.....	\$22.68
Text Books and Supplies.....	1.99

Operation of School Plant.

Janitors' Services.....	\$2.35
Fuel and Light.....	2.26
Water and Miscellaneous.....	.44

Maintenance of School Plant.

Repairs, Replacement and Upkeep.....	\$1.48
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Auxiliary Agencies.

Transportation.....	\$.32
Tuition and Miscellaneous.....	.81

 \$34.13

TOTAL COST OF HIGH SCHOOL.

School Year 1912-13.

General Control.

General Administration Salaries.	\$745.62
Other General Salaries.	192.98
Other General Expenses.	239.63

Instruction.

Teachers' Salaries.	\$26,357.94
Text Books and Supplies.	3,080.77

Operation of School Plant.

Janitors' Services.	\$3,583.26
Fuel and Light.	1,882.15
Water and Miscellaneous.	225.11

Maintenance of School Plant.

Repairs, Replacement and Upkeep.	\$1,365.55
	\$ 37,673.01

AVERAGE COST PER PUPIL, HIGH SCHOOL

for these items, for the School Year, 1912-1913, based on the average membership (731.44) was as follows:—

General Control.

General Administration Salaries.	\$1.02
Other General Salaries.	.26
Other General Expenses.	.33

Instruction.

Teachers' Salaries.	\$36.03
Text Books and Supplies.	4.21

Operation of School Plant.

Janitors' Services.	\$4.89
Fuel and Light.	2.57
Water and Miscellaneous.	.31

Maintenance of School Plant.

Repairs, Replacement and Upkeep.	\$1.86
	\$51.48

TOTAL COST OF ALL SCHOOLS.
School Year 1912-13.

General Control.

General Administration Salaries.....	\$2,700.00
Other General Salaries.....	1,200.00
Other General Expenses.....	712.60

Instruction.

Teachers' Salaries.....	\$69,866.59
Text Books and Supplies.....	6,905.79

Operation of School Plant.

Janitors' Services.....	\$8,103.26
Fuel and Light.....	6,219.12
Water and Miscellaneous.....	1,069.01

Maintenance of School Plant.

Repairs, Replacement and Upkeep.....	\$4,213.50
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Auxiliary Agencies.

Transportation.....	\$620.75
Tuition and Miscellaneous.....	1,562.11

\$103,172.73

AVERAGE COST PER PUPIL.

School Year 1912-13.

Based on average membership (2649.42)

General Control.

General Administration Salaries.....	\$1.02
Other General Salaries.....	.45
Other General Expenses.....	.27

Instruction.

Teachers' Salaries.....	\$26.37
Text Books and Supplies.....	2.61

Operation of School Plant.

Janitors' Services.....	\$3.06
Fuel and Light.....	2.35
Water and Miscellaneous.....	.41

Maintenance of School Plant.

Repairs, Replacement and Upkeep	\$1.59
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Auxiliary Agencies.

Transportation	\$.23
Tuition and Miscellaneous	.59
Average cost per pupil, Melrose	\$38.95
Average cost per pupil, State of Massachusetts	\$40 41

ANNUAL FINANCIAL EXHIBIT.**Fiscal Year Ending Dec. 31, 1913.****Receipts.**

Appropriations, regular items	\$101,550.00	
Appropriations, special for High School Curbing	600.00	
Appropriations, School Walks	900.00	
		\$103,050.00

Expenditures.

General Expenses	\$4,692.43	
Teachers' Salaries	70,631.34	
Text Books and Supplies	5,497.88	
Tuition	1,332.60	
Transportation	693.75	
Janitors' Services	8,009.74	
Fuel and Light	4,790.50	
Maintenance of Buildings and Grounds	4,999.14	
Furniture and Furnishings	198.75	
Other Expenses	499.42	
		\$101,345.55
Unexpended balance, regular items	204.45	
Unexpended balance, special for High School Curbing	600.00	
Special for High School Walks	900.00	
		\$103,050.00

HIGH SCHOOL
Principal's Report for 1913.

Mr. John C. Anthony,
Superintendent of Schools,
Melrose, Massachusetts.

Dear Sir:—I take pleasure in submitting the following report of the High School for the year 1913.

Attendance.

The enrolment in September this year was 763 as compared to 768 of last year. A distinct gain has been made so far this year in the matter of attendance at school. The number of absences has been reduced 25% over the same period last year and there has been a corresponding decrease in the number of tardiness and dismissal cases. This is an indication of a change for the better in the attitude of the pupils toward their school work. One teacher has been added this year to the teaching force, making a total of 27.

Courses of Study.

Some minor changes have been made in the courses of study with the view to making the work more adaptable to the pupils and more satisfactory in operation. Bookkeeping and Commercial Arithmetic have been increased from one to two credits while Business Practice has been added to the work of the first year in the Commercial Course. In the mathematics department a further change has been made to facilitate the work of the pupils preparing for college. Review Algebra for college entrance has been moved ahead to the fourth year in order that the subject might be fresher in the pupils' minds when taking it up during the freshman year at college. To allow for this change, Review Ancient History was placed in the third year.

A new course in Household Chemistry for girls has been added to the science department and is giving satisfactory results. The object of this course is twofold: to give instruction in the chemistry of cooking, ventilation and sanitation and to open the way for more extended work in domestic science.

The courses of study now in operation require more work for both pupils and teachers than under the old course; for the former because of a slight change from elective to required work, and for the latter because of the increase in the number of teaching periods each day together with an increase in the number of subjects taught. The requirements of the new courses make possible a much more intelligent selection of studies on the part of the pupil while the increase in the amount of work necessary for a diploma makes our requirements equal to those of similar schools.

Next year the new Three Year Commercial Course will go into effect and special announcement will soon be made to all those who are eligible in order that definite information may be secured as to the number who intend to register. The requirements will probably call for an increase in the teaching force, but the saving of one year's work to a considerable number of pupils will more than compensate for the extra expense.

Vocational Training.

The number of pupils in the Commercial Course, about 40% of the whole membership, demonstrates more than anything else the need for vocational instruction. The fact that this course, which aims primarily to fit pupils for mercantile or office work, is selected by many of those who have no desire for such work and no ability to follow it, simply illustrates the strong hold which subjects of utilitarian nature have on the minds of a large number of pupils. Pupils select this course because it is the most "practical" one we have; not because it suits their needs. Courses in mechanical arts for boys and cooking, dress-making and millinery for girls would become immediately popular because they would meet

an immediate demand and would furnish an outlet for the energies and ambitions of a large number of pupils who are not fitted for the more formal work of the school. In a very limited way, a beginning in manual training and steam engineering has been made with results that prove conclusively their value to the pupils.

Administration.

Two important changes in the administration of the school should be included in this report. A more effective system of poor work reports has been devised whereby the parents of all pupils failing in any subject are notified by a card sent out midway between the regular bi-monthly reports. This card is taken home by the pupil just as in the case of the regular report and is returned with the parent's signature. This is unquestionably a great help in bringing up the grade of work in the school for it provides for reports every month in those cases where a more intimate knowledge of the pupil's work is needed by the parent.

The second change is in the method of conducting afternoon sessions for those pupils who need special help or who have been absent from school. Formerly, several afternoons were given to this work with different teachers for each session. At present, but one afternoon is set aside for this purpose and *all* the teachers are required to be present. Formerly, pupils with several subjects in arrears were obliged to return several times with great inconvenience to themselves and consequent discouragement. Now, with careful preparation they may do all their work in one afternoon without serious difficulty. The principal has not yet found a case where a pupil has failed to get help really needed.

Physical Training.

We have no system of physical training suited to the needs of the pupils. The fortunate few that are able to qualify for our various athletic teams get a certain amount of physical development but they are the pupils who need it the

least. We are proud of our school teams and are glad to give them our support but we deplore the lack of opportunity for the 90% who cannot join them. Gymnasium training should be provided and credit should be given as in any other subject in order that the physical development of our young men and women may keep pace with their mental growth.

We are greatly indebted to Mr. Charles M. Cox for his generous attitude toward all members of the high school in allowing the use of the new playground, formerly known as Messenger's Meadow. This has given larger opportunities for recreation and has helped at the same time to place our athletics upon a more stable financial basis.

Social Activities.

The school is fortunate in the character of its other activities. Excellent work is being done by our debating clubs, our orchestra and glee clubs and by our school paper. A new organization, the "Euclidean Society" is demonstrating its usefulness to a very marked degree in the realm of mathematics. It is hoped that further organizations will be started among those pupils interested in other lines of school work. During the year, various prizes have been awarded by friends of the school for excellence in composition and design. These are in addition to the regular prizes offered each year by the Franklin Fraternity. The Alumni Scholarships this year were awarded to Miss Gertrude Bond and Mr. Nelson Sanford.

The principal is most gratified at the direct evidence of greater industry and improved scholarship in the school this year. He desires to pay tribute to the loyalty of the teachers who have done much to bring this about and to the Superintendent and School Committee for their cordial support.

Respectfully submitted,

Lorne B. Hulsman.

SUMMARY OF THE PRINCIPALS' REPORTS FOR THE SCHOOL YEAR, 1912-1913

I. By Schools.

Schools	No. of Different Pupils Enrolled Exclusive of Re-Enrollments	No. of Boys	No. of Girls	Average Membership	Average Attendance	Per Cent. of Attendance
High.....	802	370	432	731.44	687.03	93.93
High School Eighth.....	29	13	16	25.18	24.17	95.99
Washington.....	368	190	178	322.52	303.91	94.22
Franklin.....	291	148	143	282.72	271.28	95.95
Gooch.....	196	105	91	223.32	210.25	94.14
Lincoln.....	348	188	160	325.28	309.37	95.11
Livermore.....	165	80	85	161.18	156.39	97.03
Whittier.....	145	72	73	129.33	121.14	93.66
Sewall.....	143	70	73	146.65	139.06	94.82
Winthrop.....	124	55	69	123.53	116.53	94.33
Warren.....	169	92	77	153.89	143.85	93.47
Ripley.....	23	9	14	24.38	21.86	89.66
Total.....	2,803	1,392	1,411	2,649.42	2,504.84	94.54

SUMMARY OF THE PRINCIPALS' REPORTS FOR THE SCHOOL YEAR, 1912-1913.
2. By Grades.

Grades	No. of Different Pupils Enrolled Exclusive of Re-Enrollments	No. of Boys	No. of Girls	Average Membership	Average Attendance	Per Cent. of Attendance
High.....	802	370	432	731.44	687.03	93.93
Eighth.....	288	119	169	261.56	251.11	96.01
Seventh.....	239	123	116	225.96	216.21	95.68
Sixth.....	250	139	111	242.21	231.86	95.72
Fifth.....	260	141	119	258.05	246.48	95.51
Fourth.....	183	96	87	193.40	183.64	94.95
Third.....	218	129	89	207.56	196.91	94.87
Second.....	230	107	123	233.12	217.77	93.41
First.....	333	168	165	296.12	273.83	92.47
Total.....	2,803	1,392	1,411	2,649.42	2,504.84	94.54

NUMBER OF TEACHERS IN THE DIFFERENT DEPARTMENTS,
NOVEMBER, 1913.

	Male	Female	Total
High.....	6	22	28
Grammar(Grades V, VI, VII, VIII)	2	26	28
Primary (Grades I, II, III, IV).....	0	27	27
Supervisors, Music.....	1	0	1
Drawing.....	0	1	1
Manual Training.....	1	0	1
Primary.....	0	1	1
Penmanship.....	0	1	1
Total.....	10	78	88

NUMBER OF PUPILS IN THE DIFFERENT GRADES,
NOVEMBER, 1913

Primary,	Grade I.....	319
	Grade II.....	268
	Grade III.....	227
	Grade IV.....	229
Grammar,	Grade V.....	216
	Grade VI.....	256
	Grade VII.....	238
	Grade VIII.....	224
High,	Freshman.....	234
	Sophomore.....	215
	Junior.....	215
	Senior.....	95
	Post Graduate.....	6
Total.....		2,742

AVERAGE AGE OF PUPILS IN THE DIFFERENT GRADES.
SEPTEMBER, 1913.

Primary,	Grade I.....	6 years 5 months
	Grade II.....	7 " 5 "
	Grade III.....	8 " 3 "
	Grade IV.....	9 " 7 "
Grammar,	Grade V.....	10 " 8 "
	Grade VI.....	11 " 6 "
	Grade VII.....	12 " 4 "
	Grade VIII.....	13 " 4 "
High,	Freshman.....	14 " 4 "
	Sophomore.....	15 " 6 "
	Junior.....	16 " 5 "
	Senior.....	17 " 8 "

APPENDIX

Melrose High School

GRADUATION EXERCISES.

Class of 1913.

Memorial Hall, Evening of June Twenty-fifth at Eight O'clock.

PROGRAM.

INVOCATION

REV. JOHN O. PAISLEY.

OVERTURE, "Poet and Peasant," *Suppe*
HIGH SCHOOL ORCHESTRA.

SALUTATORY,
FREDERIC ARLINGTON STEARNS.

CHORUS. "A June Song," *Bucalosse*
GLEE CLUBS AND ORCHESTRA.

ESSAY. "The School as a Centre for Social Service,"
KATHARINE FLORENCE RAND.

ESSAY. "Improvement of Towns and Cities,"
MILDRED LOUISE WHITE.

Award of Prizes given by the Franklin Fraternity.
HON. SIDNEY H. BUTTRICK.

SELECTION. "Sextette from "Lucia,"
ORCHESTRA.

Announcement of Alumni Scholarships,
HERBERT T. GERRISH,
President of the Alumni Association.

CHORUS. (a) Mariquita, *Marzo*
(b) The Moon Hangs Low in a Purple Sky, . . . *Spence*
GIRLS' GLEE CLUB.

VALEDICTORY,
MIRIAM SEGEL.

PRESENTATION OF DIPLOMAS,
DR. LOWELL F. WENTWORTH,
Chairman of the School Committee.

CHORUS. Coronation March from "The Prophet,"
GLEE CLUBS and ORCHESTRA

SENIOR CLASS HONOR LIST.

Pupils who have maintained a general average of 90% or over during their whole course.

Miriam Segel	Ruth Hawley
Frederick Stearns	Carla Kennerson
Katharine Rand	Katherine Ellis
Mildred White	Leroy Fitz
Gertrude Bond	Lester Woodland

Dorothy H. Carrie

HONOR LIST FOR OTHER CLASSES.

Pupils who have maintained an average of 90% or over in each subject.

Junior Class.

Grace Sherburne	Walter Grocott
Adelaide Clark	Evelyn Ide
John Dole	Isabelle Lee

Elsie Woodland

Sophomore Class.

Dorothy Hall	Belle Segel
Jennie Bond	Lois Rigby

Margaret Illsley

Freshman Class.

Edward Donovan	Miriam Loring
Doris Jennings	Winifred Gerry

Hazel Minott

Report of Inspector of Wires

January 23, 1914.

To the Honorable Mayor and Board of Aldermen:

Gentlemen:—I respectfully submit the following report of the Wire Department for the year January 1st to December 31, 1913.

Fire Alarm System

Has been kept in repair, have rebuilt several streets and installed two new boxes, No. 18 and No. 481.

Police Signals

Have rebuilt the police signals and red light lines through the trees in nearly all parts of the city. Have installed one new box, No. 122 at the corner of Forest and Lebanon streets.

Electrical Work in Buildings.

I have received nine hundred (900) notices of work being done from contractors and others and have made twenty-seven hundred (2700) visits. I have held five (5) conferences with the Mayor and representatives of the Malden Electric Company, New England Telegraph & Telephone Company and the Bay State Street Railway Company. Have written one hundred thirty-three (133) letters and three hundred thirty-six (336) permits to the Malden Electric Company for current in buildings.

The New England Telephone & Telegraph Company have installed their underground nearly the length of Main Street and have replaced old poles and fixtures for new in many places. The Malden Electric Company have laid conduits from the Malden line to Porter Street, and have insulated their wires from trees in many places.

Respectfully submitted,

I. L. CORTHELL,

Inspector of Wires.

Report of the Overseers of the Poor

Feb. 1, 1914.

To the Honorable Mayor and Board of Aldermen, City of Melrose, Massachusetts:—

Gentlemen:—The Board of Overseers of the Poor herewith submit its annual report for the year ending December 31, 1913.

The entire expenditures of the Department, exclusive of official salaries, amounted to \$8,169.67. The receipts of the department amounted, to \$2056.98, of which \$1,925.00 was appropriated for department purposes and is included in said \$8,169.67, leaving a balance in receipts of \$131.98. The net cost to the City of the department amounted therefore to \$6,512.69. Of the receipts \$979.89 was from goods raised at the Almshouse.

The entire number of families aided was 78 as against 58 in 1912, the total number of individuals 265 as against 196 in 1912. This is exclusive of 8 persons, who at some time during the year were wholly dependent upon the City and received at the City Farm.

The following tables are self explanatory:

APPROPRIATIONS AND EXPENDITURES.

General Administration.

Appropriation	\$750.00	
Additional Appropriation	25.00	
	775.00	
Expended (salary of board \$400.00) ..	771.34	
Balance		\$3.66

Almshouse.

Appropriation (\$1,000.00 taken from receipts)	\$2,000.00	
Additional appropriation	700.00	

Transfer from "Outside Relief"	125.00	
Transfer from "Relief by other Cities and Towns"	27.53	
	\$2,852.53	
Expended	2,852.53	
Total receipts from Farm	979.89	
Net cost to City for Farm maintenance		\$1,862.64
Special Appropriation for Milk House at Farm	125.00	
Expended	118.00	7.00

Outside Relief by the City.

Appropriation	\$3,000.00	
Additional Appropriation	275.00	
	\$3,275.00	
Transfer to "Almshouse"	125.00	3,150.00
Transfer from "Relief by other Cities and Towns"		51.22
		3,201.22
Expended		3,201.22

Relief by Other Cities and Towns.

Appropriation	\$500.00	
Additional Appropri'n (from receipts) . .	500.00	
Additional Appropri'n (from receipts) . .	300.00	
Additional Appropriation	500.00	
Balance and transfer from 1912	90.65	
	\$1,890.65	
Transferred to "Almshouse" and "Out- side Relief"	79.75	1,810.90
Expended		1,744.58
Balance		65.32

Report of Inspector of Buildings

January 00, 1914.

To His Honor, the Mayor, and Board of Aldermen:—

Gentlemen:—Melrose is essentially a “City of Homes.” It is with pleasure that I have to report a larger number of homes built in 1913 than has been the case for many years. The permits for new houses number eighty, against sixty-one in 1912. With a total valuation of \$285,250.00. These houses have been well constructed and the larger part of them are a credit to this “City of Homes.”

The total valuation of all permits issued during the year was \$338,745.00, including all other buidlings, additions and alterations as shown in chart below. The new Building Code enacted by your Honorable Board, and approved by His Honor, Mayor Munroe, on July 14, 1913, has been well received by the owners and builders of the City. The builders very generally have approved of them and have expressed their desire to co-operate with the Inspector in enforcing the provisions of the law.

There are a few sections of the Code, which to my mind, need a slight revision, but this may well be taken up at a later date after a little more trial. With the growth of the city, which is now in a healty condition and which will undoubtedly continue, the needs of the Department of Inspector of Buildings will naturally increase. With this future need in mind, I would suggest that in the proposed rearrangement of offices in City Hall, a room be provided which will, not only give the necessary room, but will give added dignity and place to this important department connected with the City’s welfare.

Incorporated in the Building Inspector’s report for 1912 is a chart which shows at a glance the building operations for that year. Appreciating the value of that chart, I am taking the liberty of copying the form to show the report of 1913.

SUMMARY.

Total number of permits granted.....	170
Permits refused by Aldermen.....	1
Permits refused by this office.....	3
Changes asked for during construction.....	7
Changes demanded during construction.....	1
Notice to owners of unsafe chimneys.....	1
Number of visits made during construction.....	160
Calls to inspect existing buildings.....	3
Visits to lodging houses at request of District Police.....	3

BUILDING OPERATIONS DURING 1913.

Upper Half of Square Denotes Number of Permits Issued—Lower Half gives the Cost Based on Estimates Stated in Application.

	WARDS.							Permits	Total
	1	2	3	4	5	6	7		
New	15	20	11	10	3	5	16	80	
Dwellings	\$61,500	\$69,100	\$50,300	\$49,200	\$10,600	\$16,700	\$27,850		\$285,250
Private	4	1	7	4	1	4	2	23	
Garages	925	150	2,550	570	250	550	850		5,345
Factories and Additions to Factories				1		1	2	4	
				2,500		4,000	24,000		30,500
Storehouses and Shops and other small Buildings	2	1	1	2	1	1	9	17	
	430	400	100	325	30	50	1,500		2,835
Additions and Alterations	9	9	4	6	4	9	6	47	
	1,475	3,755	710	1,100	1,150	4,525	2,100		14,815
							Total 170		\$338,745

FINANCIAL STATEMENT.

Appropriation.....	\$25.00	
Received from F. W. Dodge & Co.....	2.00	\$27.00

Expended.

Printing cards.....	\$3.00
Advertising.....	4.00
100 Printed postal cards.....	3.00
200 Copies of New Building Code.....	17.00
	\$27.00

Respectfully submitted,

GEORGE L. BURGESS,

Inspector of Buildings.

Report of the Sealer of Weights and Measures

To His Honor the Mayor and Board of Aldermen:—

Gentlemen:—I submit herewith the annual report of the operations of the Department of Weights and Measures.

	Adjusted	Sealed	Condemned
Platform Scales (over 5,000 pounds).....		7	
Platform Scales (under 5,000 pounds).....	8	53	
Computing Scales.....	2	28	
Slot Weighing Machines.....		13	
All other Scales.....	26	202	10
Weights.....	42	604	
Dry Measures.....		59	
Wet Measures.....		157	2
Linear Measures.....		27	
Oil and Molasses Pumps.....		20	
	—	—	—
Totals.....	78	1,170	12

Test Weighing in stores and from delivery teams.....	216
Milk Jars Tested.....	156
Inspections of Junk and Pedlars' Wagons.....	115
Coal teams show overweight 30 to 50 pounds.	

Berry boxes were inspected in stores and in teams and in only one case were short boxes found. One case of boxes was all short. The pedlar had discovered it and removed the berries to legal boxes. The short boxes were destroyed. Ice cream containers were in all cases found of legal capacity. The dealers making a practice of sending samples to this office to be tested.

Ice wagons were constantly followed up but only one case were we able to convict. The dealer plead guilty and was fined \$20.00. We hope to get a new law this year that will help to keep unscrupulous dealers within the law. At present the dealer must witness the delivery. The public, while ready to complain, are very loth to go into court as witnesses.

The Ordinance creating a "Board of Control" has been of great advantage to the office. The work done by the Board has been very successful and should be even more vigorously followed up.

An inventory of the equipment of this Office has been filed with the State Sealer. Also one copy of same with the City Auditor. The apparatus is in good condition, only a few minor additions were made the past year.

Office Expenses.

Appropriation	\$80.00
Bills paid as per Auditor's report	77.36
Balance Jan 1, 1914	\$2.64

The increased appropriation last year has made it possible to put the department on a good working basis, so that the coming year much less money will be required.

I wish to express my thanks for the assistance given the past year.

To His Honor, the Mayor, for his kind words and assurance of his support.

To the Board of Aldermen for their liberality and to the Chief of Police, who has in many ways assisted in the outside work of this department.

Respectfully submitted,

CHAS. E. MERRILL,

Sealer of Weights and Measures.

Jan. 5, 1914.

Report of the Chief Engineer of the Fire Department

To the Honorable Mayor and Board of Aldermen:—

Gentlemen:—I respectfully submit the annual report of the Fire Department for the year ending December 31, 1913.

Organization.

The number of Companies are as follows: (4).

Engine Company No. 1; Hook and Ladder Company No. 1; Hose Company No. 4 and Combination A. Company Hose and Chemical.

Permanent Force.

2 Captains, 1 Lieutenant, 1 Chauffeur, 1 Engineman, 1 Hoseman, 4 Drivers.

Call Force.

Chief Engineer, First and Second Assistant Engineers and 31 Hose and Laddermen.

Apparatus.

1 steam fire engine, 2 auto combination chemical and hose, 2 hose wagons, 1 coal wagon, 3 pungs, 1 Chief's auto. The apparatus are equipped with 8 hand chemical extinguishers.

Horses.

There are 8 horses in the service, three of them are getting unfit for fire duty and will have to be replaced by new ones the present year.

Hose.

There is 5,950 feet of hose that is in good condition. 1,000 feet which I recommended purchased last year in my report, should certainly be bought this year.

Fires.

The Department has answered during the year 53 bell alarms and 61 telephone and other calls for fires with the following results:

In buildings and contents that were valued at \$68,752.50 the fire loss was.....	\$16,642.16
Insurance on buildings and contents endangered by fire.....	62,500.00
Insurance paid on buildings and contents endangered by fire.....	11,781.94

Fire Stations.

The fire stations are in good repair with the following exceptions: Hose 4 needs to have the roof shingled, Combination A. House, as stated in last year's report, needs lots of repairs on the outside; the roof is in very bad condition and leaks badly. I recommend that an appropriation be made to put it in proper repair.

Value of Personal Property in the Department.. \$24,059.61

Yours respectfully,

JOSEPH EDWARDS,

Chief.

LIST OF OFFICERS AND MEN OF THE FIRE DEPARTMENT, DECEMBER 31, 1913.

ENGINEERS OF THE FIRE DEPARTMENT.

Name	Occupation	Age	Residence	Admitted
Joseph Edwards, Chief.	Carriage Maker	62	612 Main Street.	May 4, 1877
E. W. Mansfield, 1st Asst.	Paint Dealer	34	283 Grove Street.	Aug. 1, 1889
C. F. Woodward, 2nd Asst.	Surveyor.	44	39 Upham Street.	Sept. 2, 1890

ENGINE CO. NO. 1				
Capt. F. C. Newman.	Permanent.	47	284 E. Foster Street.	May 1, 1898
Lieut. W. M. Barrett.	Painter	39	209 W. Emerson Street.	April 6, 1897
Wm. J. Riley.	Permanent.	40	Central Fire Station.	Dec. 1, 1906
D. J. Stockwell.	Permanent.	52	Central Fire Station.	Nov. 3, 1891
J. A. Clisby.	Permanent.	34	Central Fire Station.	July 1, 1907
Charles F. Blomquest.	Permanent.	27	Central Fire Station.	June 23, 1912
H. W. Simpson.	Bootmaker.	45	15 Winthrop Street.	July 3, 1889
F. B. Stantial.	Carpenter.	78	73 Essex Street.	Dec. 7, 1875
G. A. Dean.	Clerk.	38	29 Argyle Street.	Dec. 5, 1889
W. B. Clark.	Carpenter.	40	140 Melrose Street.	May 1, 1902
E. F. Johnson.	Painter.	33	49 Grove Street.	May 1, 1903
H. K. Kinney.	Fish Market.	33	79 Maple Street.	Aug. 1, 1912
G. H. Walden.	Yard Boss.	32	288 E. Foster Street.	March 1, 1913
P. C. Coy.	Janitor.	29		Feb. 1, 1913

HOOK AND LADDER CO. NO. 1

Name	Occupation	Age	Residence	Admitted
Capt. H. R. Norton	Clerk	56	27 E. Emerson Street	1, 1895
Lieut. W. A. Lynde	Retired	57	529 Lebanon Street	7, 1876
C. A. Page	Permanent	46	Central Fire Station	1, 1902
J. B. Rendal	Permanent	29	Central Fire Station	16, 1907
W'm. H. Stewart	Carpenter	65	36 Albion Street	6, 1873
Frank A. Storey	Rubber	26	43 Baxter Street	1, 1909
Wm. B. Ferguson	Gardener	31	18 Willow Street	1, 1909
Robert Lloyd	Clerk	28	5 E. Emerson Street	15, 1911
S. J. Warren	Painter	24	58 Rowe Street	15, 1911
N. W. Ritchie	Chauffeur	24	39 Essex Street	1, 1913
T. J. Kelley	Florist	49	27 Linwood Avenue	1, 1909

COMBINATION A.

Name	Occupation	Age	Residence	Admitted
Capt. L. D. Newhall	Permanent	58	23 Ellsworth Avenue	1, 1895
J. W. Harris	Permanent	31	39 Willow Street	6, 1910
Wm. R. Holly	Carpenter	47	24 Sargent Street	3, 1899
H. B. Adams	Painter	35	20 Ellsworth Avenue	1, 1905
W. C. Jodrey	Clerk	39	54 Highland Avenue	1, 1905
G. L. Stewart	Carpenter	36	272 Melrose Street	1, 1901
A. M. Harris	Clerk	30	35 Winthrop Street	1, 1907

HOSE CO. NO. 4.

Name	Occupation	Age	Residence	Admitted
Capt. E. W. Russell	Manager	41	38 E. Foster Street	1, 1894
Lieut. G. A. Marshall	Permanent	30	601 Franklin Street	25, 1910
P. E. Cates	Carpenter	38	159 Laurel Street	1, 1902
W. C. Russell	Clerk	34	4 Perham Court	1, 1902
Frank Gibbons	Coachman	49	3 Dell Avenue	1, 1903
J. E. Smith	Carpenter	34	142 Laurel Street	1, 1906
L. J. McLean	Painter	32	39 Argyle Street	1, 1908
James McLean	Painter	28	207 Rogers Street	16, 1909
A. H. Harriman	Salesman	32	49 Laurel Street	1, 1913

Assessors' Report

Hon. Oliver B. Munroe, Mayor.

Dear Sir:—The Board of Assessors herewith submit their report for the year ending December 31, 1913.

Taxable Valuation of the City.

Buildings	\$9,791,425.00	
Land	5,791,200.00	
Total Real Estate		\$15,582,625.00
Personal Estate, including Res- ident Bank Stock		2,420,900.00
Total Real and Personal Estate		\$18,003,525.00
Rate of Taxation, \$20.40 per \$1,000.00		

Appropriations.

State Tax		32,640.00
County Tax		16,466.40
Met. Sewer Tax		17,103.24
Met. Park Tax		10,262.39
State Highway Tax		20.00
Charles River Basin Tax		1,655.79
Bureau of Statistics		1,502.39
City Budget		289,544.80
Overlay		7,316.90
	\$376,511.91	\$376,511.91
Moth Tax Assessed		813.20
Street Watering Assessed		9,915.87
Excise Tax Assessed (Bay State Street Ry.)		2,300.26
Number of residents, individuals, firms, etc, assessed . . .	2,710	
Number of non-residents, individuals, firms, etc., assessed		750

Number of persons assessed for poll tax only.....	3,359
Number of horses assessed.....	392
Number of cows assessed.....	201
Number of swine assessed.....	45
Valuation of property exempt from taxation:—	
Houses of religious worship. \$370,775.00	
Benevolent Institutions..... 169,225.00	
	\$540,000.00

Respectfully submitted

FRANK R. UPHAM

LUTHER F. HINCKLEY

Assessors.

Report of the Board of Control

March 1, 1914.

*To the Honorable Mayor and Board of Aldermen, City of
Melrose, Mass.*

Gentlemen:—The Board of Control herewith submits its annual report for the year ending December 31, 1913.

Under the ordinance the Board of Control organized as follows, viz: June 21, 1913, George E. Kerr, Chief of Police, chairman, Charles E. Merrill, Sealer of Weights and Measures and Clarence P. Holden, M.D., chairman of the Board of Health.

During the year ending Dec. 31, 1913, the following licenses were issued:—

Meat	1
Fish	2
Fruit	1
Produce	7
Fruit and Produce	6
Candy	1
Dry Goods	5
Total	23

It is the opinion of the Board that much good has been accomplished by this ordinance. In the first place a small revenue has been derived from licenses. There has been a closer supervision of the business. Some objectionable hawkers and pedlars, who have been in the habit of selling their wares within the city have been excluded.

FINANCIAL STATEMENT.

The total revenue derived from licenses was \$152.00	
The Board has made the following expenditures, viz:	
Advertising and printing.....	\$12.50
Badges.....	30.00
Other expenses.....	1.35
Total.....	43.85

GEORGE E. KERR, Chairman

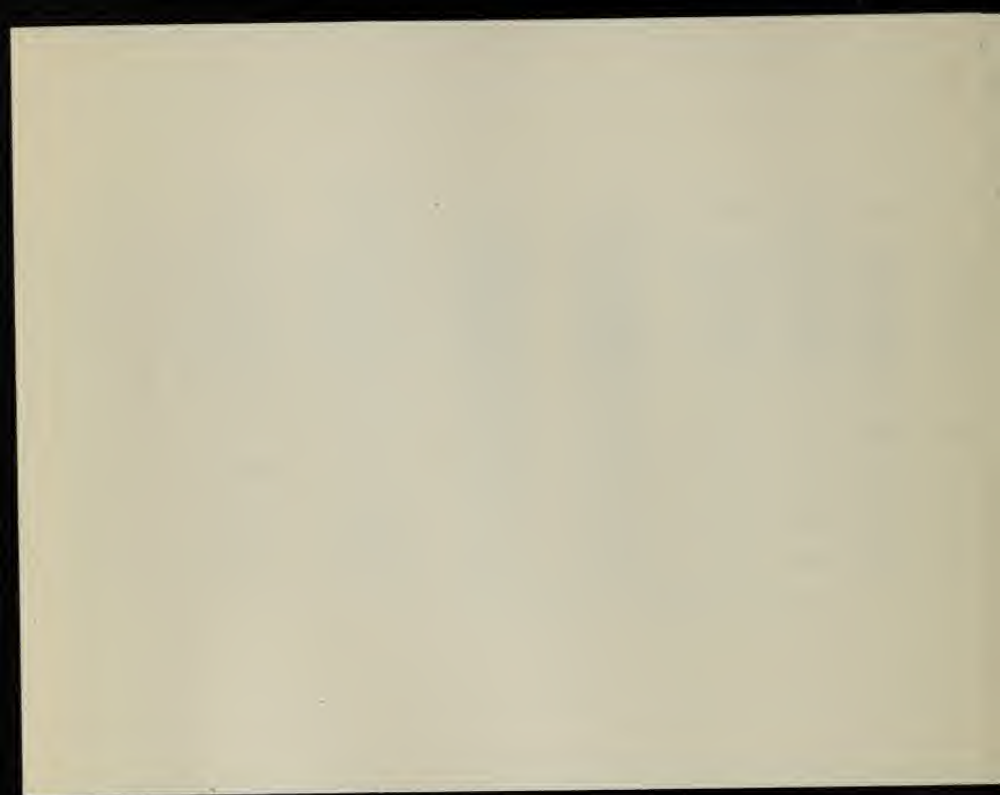
CHARLES E. MERRILL,

CLARENCE P. HOLDEN, M.D.

Board of Control.

Year	Census	Dwell-ings	Polls	Value Buildings	Value Land	Total Val. Real Estate	Value Personal Estate	Total Valua- tion	Rate per \$1,000	City Appro- priation	Sewer- age Tax	Park Tax	State Tax	County Tax	Overlay	Total Tax Levy	Year
1900	12,715	3,237	3,650	\$7,582,525	\$4,398,150	\$11,980,675	\$797,690	\$12,778,365	\$18.00	\$199,837.41	\$9,431.01	.....	\$6,645.00	\$11,857.11	\$9,540.04	\$237,310.57	1900
1901	12,781	3,248	3,711	7,610,850	5,993,025	13,603,875	1,286,890	14,890,765	16.20	206,635.82	9,727.23	.....	7,437.50	13,388.55	*11,463.29	248,652.39	1901
1902	13,369	3,280	3,931	7,781,400	5,927,575	13,708,975	1,656,505	15,365,480	17.20	237,107.27	10,561.13	\$1,977.83	6,375.00	13,365.88	2,861 15	272,148.26	1902
1903	13,641	3,312	4,052	7,865,250	5,915,375	13,780,625	1,397,005	15,177,630	18.00	237,087.74	10,808.84	5,169.59	10,625.00	13,917.89	3,692.28	281,301.34	1903
1904	14,021	3,319	4,137	7,945,700	5,867,625	13,813,325	1,424,530	15,237,855	17.40	225,003.32	11,744.15	5,696.87	11,625.00	15,716.05	3,627.28	273,412.67	1904
1905	14,559	3,334	4,235	8,020,150	5,845,800	13,865,950	1,463,745	15,329,695	18.00	227,044.58	12,077.04	5,922.31	18,600.00	15,272.57	5,488.01	284,404.51	1905
1906	14,572	3,363	4,235	8,131,450	5,787,100	13,918,550	1,559,330	15,477,880	17.80	229,006.55	12,222.49	6,183.01	16,275.00	16,188.40	4,100.81	283,976.26	1906
1907	14,860	3,382	4,318	8,288,850	5,781,500	14,070,350	1,664,060	15,734,410	17.00	219,753.24	9,264.95	7,183.32	18,000.00 } *102.00 }	15,880.08	6,038.36	276,120.97	1907
1908	15,122	3,393	4,344	8,450,675	5,788,475	14,239,150	1,733,810	15,972,960	18.50	234,100 42	14,397.93	7,868.56	24,750.00 } *19.75 }	15,606.50	7,444.60	304,187.76	1908
1909	15,246	3,416	4,438	8,627,425	5,775,725	14,403,150	1,746,675	16,149,825	19.30	250,100.51	13,567.95	8,158.34	20,250.00 } *19.75 }	17,350.17	11,220.90	320,567.62	1909
1910	15,735	3,447	4,490	8,865,325	5,771,450	14,636,775	1,827,090	16,463,865	19.40	255,567.13	14,834.95	8,494.76	23,760.00 } *19.51 }	16,478.32	97,224.31	328,378.98	1910
1911	16,118	3,503	4,515	9,164,225	5,757,450	14,921,675	1,975,950	16,897,625	20.40	276,517.13	15,496.52	11,634.39 *4,076.16	*23,780.00	15,170.07	7,067.28	353,741.55	1911
1912	16,241	3,564	4,596	9,452,650	5,757,150	15,209,800	2,213,000	17,422,800	20.40	283,731.71	15,804.48	9,482.75 *1,323.37	27,000.00	14,860.33	12,466.03	364,617.12	1912
1913	16,612	3,611	4,620	9,791,425	5,791,200	15,582,625	2,420,900	18,003,525	20.40	289,544.80	17,103.24	10,262.39 *16.75.79	32,640.00	16,466.40	7,316.90	376,511.91	1913

*Charles River Basin. incl. State Highway Tax.



Report of the Chief of Police

January 31, 1914.

*To the Honorable Oliver B. Munroe, Mayor, and the Members
of the Board of Aldermen of the City of Melrose,*

Gentlemen:—In compliance with the Chapter 33 of the Ordinances of this City I respectfully submit the following report of the Police Department for the year 1913:

Appropriation:

Salaries and Wages.....	\$17,383.00
Transfer from Equipment and re- pairs.....	100.00
Aldermanic Order.....	75.00

17,558.00

Expenditures.....	17,547.88
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Balance.....	10.12
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Appropriation:

Horses and Care of Same.....	\$425.00
Expenditures.....	403.30

\$21.70

Balance.....	\$21.70
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Appropriation:

Other Expenses.....	\$300.00
Expenditures.....	299.17

Balance.....	.83
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Appropriation:

Equipment and Repairs.....	400.00
Expenditures.....	255.93

Transfer to Salaries and Wages.....	100.00
-------------------------------------	--------

Balance.....	44.07
--------------	-------

Offences for which complaints have been made in Court... 181

Miscellaneous Report.

Accidents reported	5
Arrests for out of town officers	3
Articles found and returned to owners	1
Automobiles stopped and warned	49
Board of Health notices served	12
Boys throwing stones in streets warned	21
Boys playing ball in streets warned	25
Buildings and houses specially protected	15
Cases and complaints investigated	150
Cats disposed of	3
Defects in streets reported	25
Defects in sidewalks reported	20
Disturbances suppressed	18
Dogs killed	1
Doors and windows found unlocked and secured	65
Electric and telephone wires burning trees	3
Electric and telephone wires reported down	14
Fire alarms attended by officers	43
Fire alarms given by officers	2
Fires extinguished without giving an alarm	4
Gas leaks reported	1
Horses found roaming and taken care of	2
Houses found vacant	3
Incandescent lights reported out	184
Insane committed	6
Investigation of jurymen	81
Lost children found and returned home	5
Letters delivered for City Clerk	1,484
Leaks in water pipes reported	19
Lanterns hung in dangerous places	38
Lights found burning and extinguished	2
Miscellaneous notices delivered	81
Notices delivered for Police of other cities and towns	46
Obstructions removed from streets	29
Persons assisted home	6
Runaway horses stopped	2
Street signs reported down	2
Summonses served	40

POLICE REPORT

71

Special messages delivered by Patrolmen	14
Stray horses found in streets	3
Stray dogs brought to Station	2
Trees reported down	4
Value of property recovered and returned	\$562.00
Duty calls by officers from boxes (Jan. 1, 1913 to Jan. 1, 1914)	33,373
Telephone calls from boxes (Jan. 1, 1913 to Jan. 1, 1914)	3,231
Wagon calls from boxes (Jan. 1, 1913 to Jan. 1, 1914)	56
Ambulance calls from boxes (Jan. 1, 1913 to Jan. 1, 1913)	2
Wagon calls other than from patrol boxes	96
Ambulance calls other than from patrol boxes	142

Respectfully submitted,

GEORGE E. KERR,

Chief of Police.

Report of the City Physician

January 31, 1914.

*To the Honorable Mayor and Board of Aldermen,
City of Melrose, Mass.*

Gentlemen:—I send you herewith the eighth annual report of the City Physician for the year ending December 31, 1913.

Visits made for the Charity Department:

At the City Home	24	
To the patients in their homes	198	
	—	222

Office calls	202	
------------------------	-----	--

Visits made for the Health Department:

At hospitals	12	
To patients in their homes	78	
Visits of inspection and consultation	170	
	—	250

Office treatment for pupils of the public schools	90	
---	----	--

Office calls for Public Works Department	9	
--	---	--

Visits for Police Department	16	
--	----	--

Vaccinations	46	
------------------------	----	--

Examination by order of Mayor	3	
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Respectfully,

CLARENCE P. HOLDEN,

City Physician.

Report of the Park Commission

To the Honorable, the Mayor and Board of Aldermen of the City of Melrose.

Gentlemen:—

The Board of Park Commissioners presents herewith its fourth annual report. You will find in the following pages a detailed account of the appropriations and expenditures for the maintenance of existing parks and park areas, the expenditures incident to the maintenance of the Ell Pond bath house, and also the account in connection with the purchase of land and buildings known as the Benson Ice House property and the Boston Ice Co.

Expenditures and appropriations in different park accounts:

Appropriations.

Total Appropriations	\$1,800.00
Divided as follows:	

Parks, General Administration:

Salaries and Wages	\$50.00
Other Expenses	100.00

Parks and Gardens:

Salaries and Wages	\$650.00
Improvements and Additions	200.00
Other Expenses	175.00

Playgrounds:

Salaries and Wages	50.00
Improvements and Additions	150.00
Other Expenses	25.00

Bathhouses and Beaches:

Salaries and Wages	350.00
Improvements and Additions	25.00
Other Expenses	25.00
	\$1,800.00

Parks, General Administration, Salaries and Wages:

Appropriation \$50.00

Expended, Salary of Clerk to Jan.

1914 50.00

Parks, General Administration, Other Expenses:

Appropriation \$100.00

Expended, Postage \$13.57

Free Press 4.25 17.82 \$82.18

Bills Accrued, amount-
ing to

79.42

Balance \$2.76

Parks and Gardens, Salaries and Wages:

Appropriation \$650.00

Transfer from Acquiring

of Land 47.25

Transfer from Various

Accounts 68.66

\$765.91

Expended:

Caretaker \$400.00

Police 62.40

Payrolls 156.35 \$618.75

\$147.16

Bills Accrued against this

Account to April, 1914

\$135.00

Balance \$12.16

Parks and Gardens, Improvements and Additions:

Appropriation \$200.00

Expended, C. L. Hoffman

& Son, loam \$198.50

Transfer to P. & G., Sal-

aries and Wages 1.50

\$200.00

Parks and Gardens, Other Expenses:

Appropriation \$175.00

Transfer from P. & G., other Expenses.....		40.50
		\$215.50
Expended.....		\$215.50
Playgrounds, Salaries and Wages:		
Appropriation.....		\$50.00
Cash returned.....		.90
		\$50.90
Expended:		
Caretaker.....	\$16.50	
Police.....	15.30	
Transferred to P. & G....	19.10	\$50.90
Playgrounds, Improvements and Additions:		
Appropriation.....		\$150.00
Credit.....		5.99
		\$155.99
Expended.....		\$155.99
Playgrounds, Other Expenses:		
Appropriation.....		\$25.00
Expended.....		25.00
Bath Houses and Beaches, Salaries and Wages:		
Appropriation.....		\$350.00
Expended:		
Caretakers.....	\$329.86	
Tranferred to P. & G....	20.14	\$350.00
Bath Houses and Beaches, Improvements and Additions:		
Appropriation.....		\$25.00
Expended.....		25.00
Bath Houses and Beaches, Other Expenses:		
Appropriation.....		\$25.00
Expended.....		25.00

ELL POND PARK DEVELOPMENT ACCOUNTS

Ell Pond Park and Grading, North and South Sides:

Balance \$695.65

Expended:

Perry & Marston \$7.48

Deering Lumber Co. 14.49

Pay Rolls 297.93 \$319.90

\$375.75

Purchase of Land, Benson's Ice House Property & Boston Ice Co., Land:

Appropriation \$9,000.00

Expended:

Benson's Ice House Property \$6,926.98

Boston Ice Co., Land 2,039.78

Recording Deeds 3.35

Transferred to Sinking Fund 28.89 \$9,000.00

Improvement of Land (Benson's Ice House Property).

Appropriation \$2,500.00

Received from Sale of Old Buildings 105.00

Transfer from Parks and Gardens, Salaries and

Wages 31.01

\$2,636.01

Expended \$2,416.89

\$219.12

Bill Accrued, Hoffman's Contract 15 per cent.
reserved

\$216.85

\$2.27

Ell Pond Park.

The Commission has made some progress in accordance with the original plans for the development of this park. To that end, granite steps have been laid on the westerly side of the knoll from the driveway to the crest. Numerous swings have been put in position and also the concrete foundation and floor for the proposed overlook at the top of the knoll. Grading, in accordance with the original plans, has been continuing.

Band Concerts.

During the season just closed, two band concerts have been given under the direction of the Metropolitan Park Commission. These concerts were largely attended and it was demonstrated that this is an ideal spot for such entertainment. Being quiet and easy of access, and well removed from disturbing noises.

Plans are sufficiently well advanced so that the Commission feels safe in assuming that four or more concerts will be given during the coming season.

In this connection it is recommended that an appropriation be made so that a temporary bridge, at least, may be placed over the stream so that access may be had directly from Crystal Street to the park.

Ell Pond Bath House.

The fourth season for the use of the Ell Pond Bath House under the supervision of the Board of Park Commissioners, has again demonstrated the value of this department to the citizens, in the fact that this year the facilities have been used by 10,057 people, divided as follows; women and girls, 1,234; men and boys, 8,823.

These figures show the appreciation of the citizens, and it is hoped that appropriations may be made in the future, so that a more suitable and commodious bathhouse may be erected in place of the inconvenient structure now used. The proposed new bathhouse should have all the modern conven-

iences. It is necessary, also, that to secure the greatest advantage from the location, appropriation be made for electric lights and the installation of water at this section of the park.

It is with the greatest satisfaction that the Commission reports that this season has been without an accident of any sort, and the Commission desires to give credit to the attendants for the care exercised, and to especially commend Mr. Martin Allison for rescue work on August 21st.

Development on Site of Benson Icehouses, Main Street (now to be known as Ell Pond Embankment).

In the report of last year, the contemplated improvements on the Benson Icehouse property on Main Street were fully described. By reference to the financial report on the preceeding pages, it will be seen that this property has been acquired and the improvements made as far as possible. The Commission was able to secure filling for grading, and with the construction of the solid masonry, with steps leading to the water level and cement boat landing, an esplanade has been made that will provide recreation space for the citizens.

Few realized the attractiveness of this spot until the unsightly icehouses had been removed. It is contemplated by the Commission, to further beautify this area by the planting of trees and shrubs. The contract for complete masonry was awarded to C. L. Hoffman & Son.

Common, Sewalls Woods and Other Areas.

From the appropriation made for the care and maintenance of existing parks has been expended sufficient to keep in order the above-mentioned areas. New settees of a substantial make have been purchased and distributed about the various portions of the city. Effort has been made to minimize the noise and annoyance to abutters on the common where a playground is established.

The supervision of the attendants and police has brought about a better result than in previous years in this regard, and it is the purpose of the Commission to continue along these lines in the coming year.

At Sewalls Woods Park a strip of 100 feet long, bordering on the streets, has been thoroughly cleared, and this work will continue the next season until the entire area has been cleared of underbrush.

School Gardens.

Under the vote of last year, a certain area of the park property was set apart for school gardens, which was done in response to a request from the Women's Club and placed under the supervision of Mrs. Julian C. Woodman. The space allotted was used by the school children this year.

The following report from the Commission Superintendent explains the work.

We began work on the School Gardens on June sixteenth, 1913, on Ell Pond Boulevard. Staked out all the gardens in the morning and in the afternoon only two girls came, one planted a vegetable garden and the other a flower garden. Real work began on Saturday, the twenty-first, and all gardens were planted in a week, with two rows of corn, Black Mexican and Yellow Bantam; and two rows of dwarf beans, yellow and green, beets, turnips, parsnips, carrots, cucumbers, summer squash and tomatoes.

Considering the lateness of the planting everything came out remarkably well and the results were beyond expectation. All the children carried home more beans and squash than they could eat. In fact, they carried home a good supply of everything but corn. The peat in the soil burned the plants and the corn was a failure, yet not wholly so as each child had about two dozen ears from extra corn I planted myself and divided equally.

A large plot of cucumbers was planted for all, but the blight reached us as it did everybody and we only raised six.

We also planted extra beans which were divided and sold, the proceeds going towards a day at the beach for all the members.

There were twenty-four gardens in all. Three boys in one family losing their gardens on account of poor attendance, otherwise the attendance was good, many only being absent

once or twice during the summer and one boy never missed a day.

The interest never flagged and the three girls kept in line with the boys and made a good showing. It was hard to choose the prize winners as all the gardens were free from weeds and all paths kept clean.

Our first frost came unusually early on September twenty-second, so we harvested that week. Then wet weather set in so our cleaning up was not as complete as I would liked to have had it.

Considering dry soil, continued dry weather, that there was no depth to the soil and the fact of our late planting, the year was a successful one especially as we worked with children of the poorer class, who found something to occupy their minds and kept them off the streets.

ETHEL W. BITTNER,
Instructor.

The habits of industry, thrift, promptness and regularity acquired and the practical knowledge gained by the children attest the value of this work. "At all times and in all ages gardens have been amongst the objects of the greatest interest to mankind, and the gardeners' art has contributed to the delight of all men in their time."

ANNIE L. WOODMAN,
*Chairman of School Garden Committee,
Melrose Woman's Club.*

Ball Field.

For several years there has been a great demand and pressure brought to bear upon the Park Commission for the establishment of an enclosed ball field. The Commission recognizes the desire of the citizens, and has endeavored to carry out that desire on the area bounded by Tremont Street and the Boulevard. In order to accomplish to any fair degree the desired result, it will be necessary to expend at least \$6,000. For two years the Commission has made plain this fact, and it is hoped that early action may be taken by the Honorable Board of Aldermen.

The Common.

The same explanation as expressed regarding the enclosed ball field might apply to this Common. This magnificent area is capable of producing a park and garden that would be a delight to the eye and a great benefit to the whole city. All that has been possible to do with the limited appropriation has been to care for the trees and lawns in the most casual manner. To accomplish what has been planned by the Commission, at least \$3,000 should be expended this year.

Playgrounds.

The Commission, as outlined in its first annual report, recommends the needs of playgrounds in various sections of the city. Careful investigation and study of other cities has demonstrated plainly to the Commission that the establishment of a playground or a series of playgrounds throughout the city, would be entirely ineffective unless proper attendants and instructors were provided. The experience of many cities has been, that it is better to have no playgrounds than to have them without such supervision. This, of course, would entail more expenses than have been possible from the appropriation made for the park department. It is hoped that this matter may also receive the attention of the Board of Aldermen, it being embodied in the original recommendation of the Park Commission.

Contemplated Improvements and Recommendations.

The Commission recommends the continuation of the improvements in accordance with plans, for the entire area around Ell Pond Park. The Ell Pond embankment shows the possibilities and the great advantage that would accrue if extended northerly, so that it will encircle the bay at the north end of Ell Pond as previously mentioned in the paragraph on Ell Pond Park.

A generous and public spirited citizen has volunteered to aid the Commission in the construction of the shelter and band stand on the knoll, also to assist in securing more band concerts during the coming summer. To supplement this

munificent offer the Commission recommend the appropriation of at least \$6,000 to provide for the establishment of lights and the installation of water, durable seats, and also the continuation of the walk along the entire border of the Pond.

The further improvement of the park system is urged as rapidly as the city's finances will permit, and the Commission renews the recommendation made March 13, 1913, which was as follows:

Hon. Oliver B. Munroe, Mayor, Melrose, Mass.

Dear Sir:—

The completion of the Park system, as outlined by the Commission, especially Ell Pond Park, the Athletic Field and the grading of the icehouse property on Main Street, will require large expenditures, which within the \$12 limit or borrowed on short time serial notes, would place a heavy burden upon the tax-payers.

At a meeting of the Board of Park Commissioners held March 6th, it was voted to respectfully recommend to your Honor and the Honorable Board of Aldermen, the desirability of the passage of an act that would enable the City to issue bonds for park purposes, outside the debt limit.

Very truly yours,

CLARENCE T. FERNALD,

Chairman.

For the care and maintenance of the existing park domain, the following budget is submitted.

Parks, General Administration:

Salaries and Wages.....	\$50.00
Other Expenses.....	100.00

Parks and Gardens:

Salaries and Wages.....	\$650.00
Improvements and Additions.....	400.00
Other Expenses.....	175.00

Playgrounds:

Salaries and Wages	\$50.00
Improvements and Additions	250.00
Other Expenses	25.00

Bathhouses and Beaches:

Salaries and Wages	\$350.00
Improvements and Additions	25.00
Other Expenses	25.00
	\$2,100.00

Respectfully submitted,

CLARENCE T. FERNALD, *Chairman*.

ADDISON L. WINSHIP,

GEORGE J. FOSTER,

ROBERT A. PERKINS,

HARRY N. VAUGHN.

Melrose, Dec. 31, 1913.

NINTH ANNUAL REPORT OF THE TRUSTEES OF PINE
BANKS PARK, MALDEN-MELROSE, 1913.

It is very gratifying for the Trustees to report that the Park was never in a more satisfactory condition than during the past year.

While the ravages of the Gypsy and Brown Tailed Moths have left an ineffaceable mark upon the wooded growth, many of the best trees having been destroyed, yet there still remain very many fine specimens, and the new growth in a few years will have repaired the loss and restored the Park to its original thickly-wooded condition. In order that this may be accomplished, the Trustees are sparing neither time nor expense in keeping the Park free from these moth pests.

The Trustees, being desirous of beautifying the approaches, and having aided the Trustees of Forestdale Cemetery in improving its abutting property, have joined with the Trustees of Wyoming Cemetery in the improvement of Sylvan Street.

The property at the corner of Main and Sylvan Streets being low, has been somewhat unsightly and unavailable for playground purposes, and the Trustees have, therefore, permitted the City of Melrose to deposit ashes, which will in time raise this land to the level of the adjoining section and complete the area devoted to athletic sports.

Each year the Trustees have sought to improve the Park by beginning some special feature that will add to its attractiveness. To this end work has already begun upon a sunken garden which will occupy a small section of the land adjacent to Main Street, and abutting upon the Forestdale Cemetery. Formerly this has been filled with a wild growth and was unattractive. The plan now being worked out will convert it into a plot that will harmonize with the other cultivated areas.

If the number of visitors to the Park may be regarded as any criterion as to its popularity, or as a measure of the service it is rendering the public in supplying not only animal and bird life, but an attractive field and forest area, then this year may be considered its most successful, as the attendance has exceeded any other.

A contributing feature of this popularity no doubt is the "Zoo," which, while at first a pretentious name, is fast becoming so in fact. Many visitors have come, no doubt attracted by a desire to see the birds and animals, and have returned for another visit because they found here what they had not previously appreciated, a small area possessing the wildness of the primeval forest and the cultivated acres of a gentleman's private estate, and with it all, the former denizens of this woodland,—the squirrel, fox, rabbit, and deer, the latter as graceful and beautiful as any of its wild ancestors and as tame as a domestic animal. No other place within the territory of Greater Boston, which well may boast of what is attractive in field, forest and lake, can much excel this Park of our two cities.

The log cabin still retains its popularity as an afternoon and evening rendezvous for church societies and social clubs. Many have used its unique privileges and have enjoyed this gathering place in the pines. This cabin may be engaged by societies or individual groups by applying to the superintendent.

The labor of Mr. George H. Cray, the Superintendent, has largely contributed to the satisfactory results which have been recorded. We find in him a faithful and efficient official.

The Trustees recognize the great service which the State authorities, through Mr. F. W. Rane, State Forester, have rendered, especially in the loan of apparatus for the extermination of the moths.

For the past two years the Cities of Malden and Melrose have each contributed fifteen hundred dollars toward the maintenance of the Park, and under this arrangement the Trustees have paid for the expense of keeping the grounds free from the ravages of the Gypsy and Brown Tailed Moths. The Trustees, however, are obliged to ask that the sum of

sixteen hundred dollars be appropriated by each city for the coming year, owing to the per diem increase in wages and the necessary purchase of a horse, this sum being required for the proper care of this beautiful domain, which is increasing in public value.

HARRY E. CONVERSE

MAYOR OLIVER B. MUNROE

MAYOR CHARLES SCHUMAKER.

EDWARD E. BABB,

CHARLES M. COX,

WILLIAM D. SERRAT,

GEORGE LOUIS RICHARDS,

Trustees.

REPORT OF THE TREASURER OF PINE BANKS PARK
FOR THE YEAR 1913.

Receipts.

Balance from 1912		\$19.53
Received from City of Malden	\$1,500.00	
Received from City of Melrose	1,500.00	
Received from City of Melrose, <i>et al</i> , sale gravel	200.00	
Received interest from Bank	19.29	
Received sale wood \$18, Log Cabin Rentals \$14.50, Licenses \$10, B.R.S. Co. Rebate \$1.00	43.50	\$3,262.79
		\$3,282.32

Expenditures.

Wages of Employees	\$2,343.42	
Miscellaneous Expenses	774.68	
Balances	164.22	3,282.32

Annual Report of the Trustees of the Melrose Public Library

To His Honor, the Mayor, Oliver B. Munroe, and the Honorable Board of Aldermen.

Gentlemen:—

The Trustees of the Melrose Public Library present their report for the year 1913, being the thirteenth annual report to the City, and forty-third since the establishment of the Library.

The librarian's report gives the number of books added by purchase during 1913 as 904, 168 novels have been transferred from the Duplicate Collection, 48 volumes of magazines have been bound, and 22 books of various character, mostly fiction, have been worn out, and not replaced, making the number on the shelves January 1, 1914, 17,039. In this number are included books rebound 669 and those replaced, 363.

63,261 books have been issued. A large circulation is not always the measure of the usefulness of a library, but it is a quite certain indication of the appreciation of library privileges by a community.

Some fixed standard by which library work could be measured and compared would be beneficial, but in the absence of such authority, consensus of expert opinion as given in the Library Journal would require three times as many books circulated as the number of inhabitants. Measured by this standard our Library with 63,000 volumes issued in a population of 16,000 is well in advance of requirements.

Attention is called to the fact that the large number of reference books used is not included in these figures, and the value placed upon this department is given in the following quotation. "In its reference department is found the highest utility of a public library, and its greatest efficiency in developing the mental power, and advancing the industrial and commercial interests of the Community." Reference work implies study, research, educational influence. This may not

follow in general reading, since a large percentage of our circulation is fiction, read mainly for entertainment, recreation, or diversion. It is interesting to note in this connection that the percentage of fiction readers in our juvenile department is materially less than that of the adult patrons. A wise discrimination in selection of books, and constant care in suggestion of reading by the attendants accounts for this encouraging fact.

161 books have been purchased for the Duplicate Library, for which the sum of \$151.28 has been collected in dues. No change of method in the management of this department has occurred; it has always had steady patronage, and is a convenience for patrons, not a means of income for the library.

During the year the recataloguing has been completed, a new charging system installed, and the anticipated increased order and efficiency in the administration of library affairs realized. The Committee on filling out deficient departments has done satisfactory work in putting the book collection on a standard basis.

A loan library was maintained during the fall, for the use of the school children in the southeastern section of the city: Following this came the call for the establishment of a branch library in that locality, and arrangements have been made to open such a branch in the Middlesex Park Building. It will be open one afternoon and one evening of the week, and will be carried on by the help of residents, without cost to the library. A branch at the Highlands is needed, only lack of funds prevents.

One bulletin, covering some 18 months' time, has been printed, containing 1,262 titles.

Of these 650 were non-fiction, 400 fiction, 212 juvenile, of which 112 are non-fiction, and 100 stories. About the usual number of cards, between 4,000 and 5,000 have been given out.

Ten meetings of the Board of Trustees have been held, with practically full attendance.

The Historical Room has been opened for the use of meetings in the interest of civic or educational work, whenever desired.

A portrait of Mrs. Maria L. Chapin, Trustee of the Library, from 1900 to 1904, has been presented by Mrs. Edith Hancock Kimball, following the gift of one of Mr. Charles C. Barry, by the members of his family.

On December 19, with appropriate ceremonies, was presented to the Library the fine collection of books and pictures known as the "Mary A. Livermore Library of Sacred Art." This was the gift of the Melrose Women's Club in memory of their fellow member and townswoman, whose character was an inspiration and example, and whose life has left the impression of its high service upon her generation.

The collection comprises some 3,000 photographs, copies of the world's most famous paintings, contained in the galleries of Europe, and 100 books upon the subject of art. The room in which it is placed is furnished completely and most artistically with the gifts of friends of Mrs. Livermore, many of them being also memorials.

It is given to the city not only as a memorial, but in the hope that through its use and study, a wider and more intelligent interest in art may be developed in the community. Art is the perception and expression of truth and beauty, and the scope of our library work is widened and dignified by just so much as we can bring to this the people.

Our work feels the presence of steadily increasing demands, and needs larger sums yearly for its requirements. For the current year the sum of \$6,020 will be needed, divided by departments as follows:—

Salaries, \$2,875; books, \$1,500; binding, \$400; Fuel and lights, \$620; building and janitors' supplies, \$225; sundries, \$500.

Respectfully submitted for the Board of Trustees, by its Secretary,

ANNA T. BUSH.

EDWARD M. MUNYAN,
NEIL A. DIVVER,
PAUL STERLING,
WILLIAM T. ATWOOD
MARY L. CHARLES,
ANNA T. BUSH,

Trustees.

STATISTICS—1913.

Number of volumes in the library, Jan. 1, 1913	15,941
Increase by Purchase	904
Increase by Binding Periodicals	48
Transferred from Duplicate Pay Collection	168
	17,061
Number of volumes worn out	22
Number of volumes in the library Jan. 1, 1914	17,039
Number of cards issued	3,515
Number of students' cards issued	1,030
Number of teachers' cards issued	48
Number of volumes rebound	668
Number of volumes replaced	363

CIRCULATION.

Number of days the library was open	305
Largest number of books issued in one day	376
Smallest number of books issued in one day (stormy)	63
Largest number of books issued in one month	6,458
Smallest number of books issued in one month	4,814
Average daily	207
Average monthly	5,271
Total number of books issued	63,261

DONATIONS—BOOKS.

Acts and Resolves of Massachusetts	State
Annual Report of Commissioner of Education	State
Annual Report of City of Melrose	City
Annual Report of the Metropolitan Water Board	State
Business Correspondence	Mrs. W. C. Corey
Carnegie Endowment for International Peace	
Christian Unity at Work	C. S. Macfarland
Forty-seventh Annual Encampment of G. A. R.	
Freight Terminals and Trains	J. A. Droege
Letters from England	E. D. Bancroft, Mrs. M. H. Davis
Life and Correspondence of Henry I. Bowditch	V. Y. Bowditch

Natural History of Religious Feeling.....	I. A. Cornelison
Obed Hussey.....	F. L. Greeno, Ed
Railway Library.....	S. Thompson, Ed.
Stock Exchange from Within.....	W. C. Van Antwerp
Suggestions for Spiritual Life.....	G. L. Raymond
Spiritual Culture and Social Service.....	C. S. MacFarland

PRESENTED.

Portrait of Mrs. Gardner Chapin.....	Mrs. Edith Kimball
Flowering Plants.....	Casey Florist Co.
Mary A. Livermore Library of Sacred Art.....	Woman's Club

REPORT OF THE SPECIAL FUNDS OF THE MELROSE PUBLIC LIBRARY.

FOR THE YEAR ENDING DECEMBER 31, 1913.

William Emerson Barrett Fund.

Jan. 1, 1913:—

By Balance.....	\$114.25
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July 1, 1913:—

By Interest.....	2.28
Balance.....	116.53
	116.53
	116.53

Jan. 1, 1914:—

By Balance.....	\$116.53
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Catalogue Fund.

Jan. 1, 1913:—		
By Balance.....		\$69.40
Dec. 31, 1913:—		
By Fines collected and deposited...		136.92
By Fines collected and paid out....		38.65
July 1, 1913:—		
By Interest.....		.17
Jan. 31, 1913:—		
To Salaries of Catalogers.....	\$62.73	
Dec. 19, 1913:—		
By 4,000 Bulletins, 50 pages.....	120.00	
Dec. 31, 1913:—		
By sundry expenses during year....	38.63	
Balance.....	23.76	
	\$245.14	\$245.14
Jan. 1, 1914:—		
By Balance.....		\$23.76

Horatio Nelson Perkins Fund.

Jan. 1, 1913:—		
By Balance.....		\$531.26
July 1, 1913:—		
By Interest.....		10.62
Balance.....	\$541.88	
	\$541.88	\$541.88
Jan. 1, 1914:—		
By Balance.....		\$541.88

William Bailey Fund.

Jan. 1, 1913:—		
By Balance.....		\$2,665.86

March 10, 1913:—

By Interest City of Melrose Note....	40.00
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July 1, 1913:—

By Interest City of Melrose Savings Bank.....	13.58
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Aug. 15, 1913:—

By Interest City of Melrose Note....	40.00
--------------------------------------	-------

May 8, 1913:—

To Books purchased.....	\$11.97
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Aug. 6, 1913:—

To Books purchased.....	30.00
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Balance.....	2,717.47
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<u>\$2,759.44</u>	<u>\$2,759.44</u>
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Jan. 1, 1914:—

By Balance.....	\$2,717.47
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Duplicate Library Fund.

Jan. 1, 1913:—

By Balance.....	\$7.17
-----------------	--------

July 1, 1913:—

By Interest.....	.10
------------------	-----

Dec. 31, 1913:—

By Books loaned.....	143.94
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Dec. 31, 1913:—

To Books purchased.....	\$99.75
-------------------------	---------

Balance.....	51.46
--------------	-------

<u>\$151.21</u>	<u>\$151.21</u>
-----------------	-----------------

Jan. 1, 1914:—

By Balance.....	\$51.46
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Hyman Peternoff Fund.

Jan. 1, 1913:—

By Balance.....		\$.36
Balance.....	.36	
	.36	.36

Jan. 1, 1914:—

By Balance..... .39

NEIL A. DIVVER, *Treas.*

Examined and found correct April 11, 1914.

EDWIN C. GOULD, *City Auditor.*

Report of the Sinking Fund Commissioners

Melrose, Mass., February 21, 1914.

*To the Honorable Mayor, and the Board of Aldermen,
Melrose, Mass.*

Gentlemen:— We submit herewith our report of the operations of the Sinking Fund for the year 1913.

EDWARD J. KITCHING,
EVERETT L. FULLER,
FRANKLIN P. SHUMWAY,
Sinking Fund Commission.

WATER LOAN SINKING FUND.

Summary of Transactions 1913.

Receipts.

Balance Cash on hand Jan. 1, 1913....		\$42.33
Interest on Registered Bonds.....	261.48	
Coupons and Interest on Notes.....	4,076.50	
Melrose Nat. Bank on deposits.....	20.53	
Accrued on Bonds sold.....	376.51	
Bonds and Notes Sold and Matured...	65,000.00	69,735.02
		69,777.35

Payments.

Bonds and Notes bought.....	\$19,688.75	
Accrued Interest Bonds bought.....	9.51	
Expenses paid. Rent Safe Deposit....	25.00	
City of Melrose to retire Bond maturing		
Oct. 1, 1913.....	50,000.00	69,723.26
Balance Cash in Melrose Nat. Bank..		54.09

SEWER LOAN SINKING FUND.

Summary of Transactions 1913.

Receipts.

Balance Cash on hand Jan. 1, 1913		\$21.38
Interest on Registered Bond	1,430.00	
Coupons and Interest on Notes	7,497.50	
Melrose Nat. Bank on Deposits	153.49	
Accrued on Bonds Sold	33.01	
City of Melrose Sewer Assessments	1,843.39	
Bonds and Notes Sold and Matured . . .	38,250.00	49,207.39
		49,228.77

Payments.

Bonds and Notes Bought	48,564.45	
Expenses Paid. Rent Safe Deposit	25.00	
Accrued Interest on Bonds Bought	448.13	49,037.58
Balance Cash in Melrose Nat. Bank . .		191.19

SCHOOL LOAN SINKING FUND.

Summary of Transactions 1913.

Receipts.

Balance, Cash on hand Jan. 1, 1913. . . .		\$6.71
Interest on Registered Bonds.	604.13	
Coupons and Interest on Notes.	6,337.36	
Melrose Nat. Bank on Deposits.	36.00	
Accrued on Bonds Sold.	6.67	
City of Melrose, Budget Appropriation	8,316.00	
Bonds and Notes, Sold and Matured. . .	8,310.65	23,610.81
		23,617.52

Payments.

Bonds and Notes bought.	23,254.25	
Expenses Paid. Rent Safe Deposit . .	15.00	
Accrued Interest on Bonds bought. . .	250.48	23,519.73
Balance Cash in Melrose Nat. Bank. .		\$97.79

SURFACE DRAINAGE LOAN SINKING FUND.

Summary of Transactions 1913.

Receipts.

Balance Cash on hand Jan. 1, 1913.		42.16
Interest on Registered Bond	287.52	
Coupons Interest on Notes	1,105.50	
Melrose Nat. Bank Int. on Deposits	19.62	
City of Melrose, Budget Appropriation	5,358.00	
Bonds and Notes sold and matured	1,700.00	8,470.40
		8,512.80

Payments.

Bonds and Notes bought	\$8,125.00	
Expenses Paid. Rent Safe Deposit	10.00	
Accrued Int. on Bonds bought	148.60	8,283.60
Balance Cash in Melrose Nat. Bank		229.20

Annual Report
of the
Board of Health
of the
City of Melrose
for the
Year Ending December 31st
1913

MELROSE, MASS.
THE MELROSE FREE PRESS, INC.
1914

MAYOR.

Honorable Oliver B. Munroe.

BOARD OF ALDERMEN.**COMMITTEE ON EDUCATION, HEALTH AND CHARITY.**

Mr. William A. Carrie, Chairman; Mr. Jonathan H Atkinson, Mr. E. Thatcher Clark, Dr. Arthur T. Gage, Mr. Jeremiah F. Lucey, Mr. Arthur L. Marr, Mr. Eugene L. Pack.

MEMBERS OF THE BOARD OF HEALTH.

Dr. Clarence P. Holden.....21 Vine Street
Arthur A. Hayden, Esq.....126 W. Foster Street
Mr. Edmund L. Grundy.....18 Cottage Street
Chairman, Clarence P. Holden, M.D.

OTHER OFFICERS.

Grace French, Clerk.
Andrew J. Burnett, Plumbing and Sanitary Inspector.
Dr. Frank P. Sturges, V. S., Inspector of Animals and Slaught-
- tering.
David O. Parker, Inspector of Slaughtering.
Earle B. Phelps, Inspector of Milk.
Robert N. Hoyt, Inspector of Milk.
Dr. Ralph R. Stratton, Dr. Caleb W. Clark, Dr. Albert E.
Small, Medical Inspectors of Schools.

Report of the Board of Health

*To the Honorable Mayor and Board of Aldermen,
City of Melrose:—*

Gentlemen:—

The Board of Health respectfully submits herewith its annual report for the year ending December 31, 1913.

Diseases Dangerous to the Public Health.

Actinomycosis, Asiatic cholera, cerebro-spinal meningitis, diphtheria, glanders, leprosy, malignant pustule, measles, ophthalmia neonatorum, scarlet fever, smallpox, tetanus, trachoma, trichinosis, tuberculosis, typhoid fever, typhus fever, varicella, whooping cough, yellow fever, and infantile paralysis.

There are two distinct methods for the control of contagious diseases.

1. Isolation of patient.
2. Quarantine of household.

By the first method, isolation is secured by removal to hospital, or if the house is of sufficient size, isolation of the patient and nurse in the house and apart from other members of the household. This permits all other members of the household, except the children, to pursue their usual avocations. This is the method advised and adopted by this board for many years. It has been found reasonably safe to the family, and the danger to the general public is very small, and we avoid all the expense and annoyance of wholesale quarantine.

The experience of this board has proven over and over again that the public danger is not from lax quarantine or from carriers of infected things, but from mild and unrecognized cases of which no report is made.

Diphtheria. Melrose was fortunate in having but a small number of cases during the year, there being seventeen, with 2 deaths.

Scarlet Fever. The year was not so favorable as to scarlet fever, there being a total of seventy-one cases of which forty-six, or more than half occurred in the last quarter. There were no deaths.

Typhoid Fever. There were seven cases reported with one death. A study of these cases would indicate that all were of foreign origin. that is, no cases were caused by local conditions or infections in this city.

Anterior Poliomyelitis. During the latter part of the year four cases were reported, and three deaths, all from the same cause, paralysis of breathing. No trace of their origin could be found.

Tuberculosis. There were twenty-four cases of all forms reported with fifteen deaths. Of these cases twelve or one-half had been in Melrose only a short time or there was a definite history of their being infected before coming here. Of the twenty-four reported cases, eleven were discharged, six by death, four by removal and by disease arrested. During the year seventeen cases were cared for in various hospitals, some at the expense of the Melrose Anti-Tuberculosis Association and nine were cared for by this Board. Three cases were maintained in their own homes and two out of town cases were maintained in hospitals. The total number of cases on the list December 31, 1913 was twenty.

Table I.
FINANCIAL STATEMENT.

	1912	1912 Totals	1913	1913 Totals
Total Appropriations.....		\$6,375.00		\$7,825.00
Expenditures.				
General Administration.....		\$938.62		\$1,136.36
Salaries of Board.....	\$531.25		\$650.00	
Salary of Clerk.....	267.19		270.84	
Stationery, postage and printing.....	61.65		78.51	
Telephone.....	49.21		43.41	
Office furnishings.....	3.50		58.05	
Sundries.....	25.82		35.55	
Other Expenses.....		1,055.96		1,165.13
Examination of cultures....	8.00		14.00	
Sanitary Inspection.....	150.00		150.00	
Plumbing Inspection.....	650.00		650.00	
Fumigation and Disinfection.....	70.07		187.33	
Dumps.....	6.50		11.92	
Burial Dead animals.....	46.50		37.00	
Office furnishings.....	\$14.25		\$4.62	
Care of Insane.....	20.00		31.90	
Inspection of ice.....	24.00		24.00	
Use of automobile and carriages.....			29.25	
Inspection of food.....			4.00	
Sundries.....	60.64		27.11	
Quarantine and contagious Dis. Hosp.....		\$1,065.30		\$1,733.27
Outside aid.....	23.31		46.60	
Maintenance of Cont. Hosp.	24.05			
Maintenance of patients at Other Hospitals.....	735.69		1,207.67	
Board while in quarantine..			52.72	
Reimbursement of other Cities.....	234.00		345.28	
Ambulance and carriages...	49.25		81.00	
Inspection.....		425.00		761.00
Inspection of School Children.....	225.00		225.00	
Insepection of Animals and Slaughtering.....	100.00		136.00	
Inspection of Milk.....	100.00		100.00	
Milk Analyses.....			300.00	
Refuse and Garbage Disposal..		1,856.68		2,000.00
Removal of Garbage.....	1,856.68		2,000.00	
Tuberculosis.....		570.00		875.63
Nurse.....			37.00	
Board of Nurse.....			7.43	
Rent.....			34.15	
Board in Hospitals.....	570.00		750.80	
Ambulance and transportation.....			24.25	
Sundries.....			22.25	
Total Expenditure.....		5,911.56		7,671.39
Revenues of the Board of Health.....		\$200.06		\$403.17
Licenses.....	49.00		51.50	
Reimbursements.....	151.06		351.67	

Table II.

CASES AND DEATHS OF DISEASES DANGEROUS TO THE PUBLIC HEALTH BY MONTHS.

This table includes all cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere or were contracted outside of the city, also all deaths of Melese cases dying in hospitals out of town.

Months	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Polio-myelitis		Tuberculosis				Total for Month	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Pul. and Miliary	Menin-geal	Other Forms	Cases		Deaths
January.....	2	1	4	..	..	..	3	..	10	..	..	..	..	..	..	..	2	..	..	21	1	
February.....	1	..	5	..	..	..	..	..	5	..	..	..	..	..	..	..	4	..	..	15	0	
March.....	2	1	4	..	..	..	7	..	5	..	..	..	2	..	..	..	..	1	..	22	2	
April.....	..	..	3	..	..	..	10	..	..	..	..	..	1	..	..	..	..	1	..	14	2	
May.....	3	..	..	..	..	..	16	..	7	1	..	..	..	..	..	..	4	..	..	30	3	
June.....	..	..	4	..	..	1	8	..	..	..	..	..	..	..	..	..	..	..	..	13	1	
July.....	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	3	1	..	5	1	
August.....	..	..	1	..	1	..	2	..	2	..	..	..	1	..	..	..	1	1	..	8	3	
September...	2	..	3	..	1	1	..	..	..	..	..	..	2	1	..	..	3	1	..	11	2	
October.....	..	..	9	1	2	1	..	..	2	..	..	..	1	1	1	..	2	..	..	17	4	
November.....	5	..	16	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	..	24	0	
December.....	2	..	21	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	..	27	0	
Total.....	17	2	71	0	7	2	46	..	31	1	..	..	7	..	4	3	22	13	1	1	207	23

Table III.

CASES AND DEATHS OF CERTAIN DISEASES EACH YEAR FOR TEN YEARS.

This table includes all cases (with their deaths) irrespective of whether the cases were transported into the city from elsewhere or were contracted outside of the city, also all deaths of Melrose cases dying in hospitals out of town.

Years	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Polio-myelitis		Tuberculosis					
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Pul. and Miliary		Meningeal	Other forms		
																	Cases	Deaths		Cases	Deaths	Cases
1904.....	19	2	23	1	11	1	76	5	13	4	..	..	..	..	..	..	All forms	39	17	4	20	
1905.....	30	3	59	..	14	3	459	..	77	1	..	..	..	..	..	..	All forms	27	17	11	20	
1906.....	40	3	36	1	9	3	63	..	14	2	..	..	..	..	..	..	All forms	15	10	20	21	
1907.....	50	3	80	1	8	3	18	2	7	1	..	..	..	..	..	..	All forms	15	10	22	23	
1908.....	58	2	89	..	13	2	379	1	124	..	..	..	..	..	..	..	All forms	39	17	28	15	
1909.....	18	..	106	1	15	3	24	1	..	..	..	..	..	..	..	..	All forms	27	17	4	1	
1901.....	41	3	32	1	14	1	18	1	39	1	..	..	..	..	..	..	All forms	27	17	3	2	
1911.....	20	..	36	..	9	..	129	1	94	..	..	..	..	..	..	..	All forms	15	10	2	2	
1912.....	18	1	17	..	9	1	381	1	31	1	..	..	..	..	..	..	All forms	15	10	2	2	
1913.....	17	2	71	2	7	2	46	..	31	1	..	..	..	..	..	..	All forms	22	13	1	..	

Bacteriology. The Board has, as heretofore, availed itself of the laboratory service of the State Board of Health. Cultures have been taken from suspicious throat cases for diagnosis and in all cases of diphtheria for release. Examinations of sputum in suspected cases of tuberculosis, of blood and other secretions in the diagnosis of malaria, typhoid fever and ophthalmia neonatorum have been made.

Isolation Hospital. The Melrose Isolation Hospital has not been in condition to take care of cases during the past year and all cases needing hospital treatment have been cared for in the Malden Contagious Hospital. Thirteen cases of scarlet fever were cared for with no deaths. The average time of treatment was seven weeks and two and one-half days. Eight cases of diphtheria were cared for with two deaths. The average time of treatment was two weeks and four and one half days. There were no return cases.

The two deaths from diphtheria were both of the laryngeal type and in both cases death was presumably due to delay in recognizing the serious character of the disease and calling a physician.

Three cases of diphtheria and one case of scarlet fever were aided in their homes.

Antitoxin. Antitoxin furnished by the State Board has been distributed freely to the physicians for the treatment of diphtheria. The observation of this Board covering a period of several years is that all cases recognized early and treated with antitoxin are promptly cured.

Vaccination. Vaccine virus furnished by the State Board of Health has been distributed to the physicians and the Board has received returns of 82 successful vaccinations. Forty-six successful vaccinations were performed in this office and 112 pupils examined and certificates issued.

Disinfection. Disinfection by formaldehyde gas at the termination or removal of all cases of scarlet fever, diphtheria, typhoid fever, tuberculosis and infantile paralysis is required.

Table V.

INFANT MORTALITY.

YEAR.		AGES												
1913		Total deaths under 1 yr.	Under 1 day	1-2 days	2-3 days	3 days -1 week	1-2 weeks	2-3 weeks	3 weeks -1 mo.	1-2 months	2-3 months	3-6 months	6-9 months	9-12 months
January.....		1				1	1		1					
February.....		1				1								
March.....														
April.....		2										1	1	
May.....														
June.....														
July.....		1											1	
August.....		3										2	1	
September.....		2							1					2
October.....		2	1											
November.....														
December.....		4	1			1						1		1
Male.....		11	2			2	1		2			2	1	1
Female.....		8	1			1						2	2	2
White.....		19	3			3	1		2			4	3	3
Colored.....		0												
Class No. Cause of Death														
8 Whooping Cough.....	M	1										1		
	F													
30 Tuberculous Meningitis..	M												1	
	F	1												
92 Pneumonia.....	M													
	F	3				1			1			1	1	1
104 Diarrhoea Enteritis.....	M	2												
	F	1										1		
150 Congenital Malformation	M	1					1							
	F													
151 Congenital Debility.....	M	3	1			1						1		
	F	3	1									1		1
152 Other causes peculiar to early infancy.....	M	3	1			1			1					
	F												1	
170 Traumatism by firearma..	M	1												
	F													
Totals.....		19	3			3	1		2			4	3	3

INFANT MORTALITY.

Year	Births	Deaths of Children under 1 year	Rate of Mortality of Children under 1 year per 100 of Children born.
1910.....	312	36	11.53
1911.....	325	18	5.54
1912.....	305	10	3.24
1913.....	331	19	6.23

School Inspection.

The following diseases were found in pupils of the public schools. (Statistics are for the calendar year ending Dec. 31, 1913.)

Diphtheria.....	2	Diseases of the eye.....	12
Measles.....	3	Diseases of the Respira-	
Tonsilitis.....	47	tory system.....	2
Other contagious diseases	4	Pediculosis.....	80
Suspected contagious dis-		Scabies.....	3
seases.....	1	Impetigo.....	30
Anaemia.....	21	Other diseases of the skin..	12

111 examinations of children between the ages of 14 and 16 who wished to go to work have been made.

There were 156 vaccination certificates granted by the School Physicians during the year.

Food Inspection.

The Board has heretofore not undertaken systematic inspection of food. However, one aggravated case seemed to require attention: the selling of offensive poultry. This case was taken to Court and a penalty of \$75 was imposed.

Dairy Inspection.

Dairies within the City and outside of the City, in surrounding towns, within a reasonable distance have been inspected either by the chairman of the board or the Sanitary Inspector.

The general sanitary condition of dairies is much improved.

Milk Inspection.

A larger appropriation for milk inspection was available during the year and a much larger number of examinations of milk have been made, including bacteriological examinations.

The results of these examinations have been made available to the public and it is the opinion of the Board that it has been a great factor in stimulating the efforts of milkmen and dairy men to furnish a better grade of milk. Substantially the same methods will be continued during the ensuing year.

The Board desires to say in this connection that the reports of the Milk Inspector show that on the whole we are getting a very high quality of milk. It is unfortunate that the public discussion of the milk question has aroused such a general distrust on the part of the consumers of the quality of milk.

The quality of milk is not only much better than it was several years ago but it is a fact that it is not only for the sick and children but for all people one of the most economical foods that can be bought and used.

It is also unfortunate that so many people have discontinued the use of fresh milk for various brands of condensed milk which as a rule, are less nutritious and more expensive.

There is another matter which rests wholly with the consumer; that is the proper care of milk after it is received. One hour's exposure in the hot sun may utterly spoil a milk which was sweet and in good condition, when delivered.

Milk licenses issued.....	89
To sell milk from stores.....	49
To sell milk from wagons.....	40

Report of Inspector of Milk

January 30, 1914.

To the Board of Health, City of Melrose, Mass.

Gentlemen:—

I herewith submit my report as Milk Inspector of Melrose:

The examination of samples of milk collected from Melrose milk dealers has been carried on by the co-operative Board of Health Organization of the Massachusetts Institute of Technology from March 1, 1913 to December 31, 1913. During these ten months, ten monthly collections of milk samples have been made without warning to the milk dealers. A sample of milk was taken from each dealer in the original bottle when possible, if not, from the milk can in a sterilized bottle. The milk was always a portion of that intended to be sold to customers and as nearly as possible fairly representative of the milk supply from which it was taken. During the first eight months, Prof. Phelps held the position of milk inspector and collected the samples of milk. During the months of November and December, I have acted as Milk Inspector.

The table given below shows the results of the samples of milk examined during the ten months. In twenty-three cases, it was impossible to obtain a sample which would fairly represent the chemical composition and a bacterial analysis alone was made.

In the recent report of the National Commission on Milk Standards, the "bacteria count" or number of bacteria in a cubic centimeter is recognized as the most reliable test of the sanitary quality of milk. A high bacteria count shows that the milk is dirty or that it has been carelessly handled. Clean, fresh milk always contains but few bacteria. Out of the samples tested for the number of bacteria, nearly 88% were

within the limit of 500,000 bacteria per cubic centimeter allowed by the Regulations of the Melrose Board of Health. More than one-fourth of the total contained less than ten thousand bacteria which is the limit allowed for the highest grade of certified milk. The showing made by the samples obtained at stores was a little better than the average, ninety-one per cent being within the limit of 500,000 bacteria per cubic centimeter. This apparent superiority of the milk sold from the can in stores was due, I believe, to the fact that they were collected only in cold weather. There are several disadvantages in selling milk from the can. The bottles into which the milk is poured are not likely to be cleaned thoroughly. The dust and dirt accumulating on the lip of the can is washed into the milk bottle by the stream of milk and handling and capping of milk by the clerks in the store adds another opportunity for infection of the milk by a light, unsuspected case of diphtheria, scarlet fever or typhoid fever. Many stores are changing to their own accord from the sale of milk poured from the can to supplies of milk bottled and sealed at the dairy. This protects the dealer from the danger of selling milk below the standard of fats and solids due to the difficulty of properly mixing the contents of the milk can before pouring out a portion for a customer.

Of the total samples chemically tested 81% were above the State standard of 3.35% butter fats and 12.15% total solids. The samples found to be below the standard were from a large number of dealers. Later samples showed that each supply was only temporarily below standard and that the cause was careless mixing rather than deliberate adulteration.

No evidence of preservative has been found in any of the samples examined. Formaldehyde is the commonest preservative used in milk and an examination is made for this adulterant during the chemical analysis.

The following tables give the results of the milk analysis classified so as to show the nature of the milk supply of Melrose as a whole.

TOTAL SAMPLES		STORE SAMPLES	
Bacteria Count	% of samples		% of samples
Below 10,000	26.8		13.6
10,000 to 20,000	13.4		4.6
20,000 to 50,000	21.00		27.2
50,000 to 100,000	9.6		4.6
100,000 to 200,000	8.9		13.6
200,000 to 300,000	5.1		22.7
300,000 to 400,000	2.5		4.6
400,000 to 500,000	.6		.0
Total under 500,000	87.9		90.9
500,000 to 1,000,000	6.4		9.1
1,000,000 to 2,000,000	1.3		0
2,000,000 to 3,000,000	1.9		0
3,000,000 to 4,000,000	2.5		0
4,000,000 and over	0		0

Chemical Analyses.

Per cent below standard of richness 18.7
 Store samples analyzed chemically 17
 Number below standard of richness 4 -23.5%

The results of these bacteriological and chemical analyses indicate that the milk supply of Melrose is excellent both as to sanitary quality and richness. This high standard can be maintained and improved upon by continuing and extending the methods used during the past year.

Our entire equipment is of the best. The automobile fitted with zinc carriers for icing the bottles, makes possible prompt delivery of the samples at the laboratory in the condition in which they were taken from the dealers. To ship the bottles by express or to open the bottles of milk and take small samples for analysis would mean the introduction of errors which would be unfair to the milk dealers.

The laboratory equipment is the best obtainable. The high power electric centrifuge for determining the per cent of butter fat is equipped with a heating device and has been tested and approved by the Massachusetts Agricultural Station. All other apparatus is of approved pattern and has been tested.

Respectfully submitted,

(Signed) ROBERT N. HOYT,
Milk Inspector.

Report of Inspector of Animals

Inspection of Animals and Slaughtering.

There have been reported by the Inspectors of Slaughtering, 13 inspections, all at one place, viz: Charles E. Swain's.

Number of animals passed.....	215
Number condemned.....	5
Total.....	220

Report of Inspector of Animals

Board of Health, Melrose, Mass.

Gentlemen:—

I herewith submit my report as Inspector of Animals for the year ending Dec. 31, 1913.

I inspected 43 barns with reference to sanitary conditions, made physical examinations of 258 cows, 13 hogs and 6 goats.

I condemned and disposed of 2 cows infected with tuberculosis and one horse infected with glanders and caused the stables from which they had been removed to be thoroughly disinfected.

Very respectfully,

(Signed) FRANK P. STURGES, V. S.,

Inspector of Animals.

Nuisances.

The following is the list of nuisances abated by order of the Board of Health or its agent, during the year and in parallel column, nuisances abated during the previous year.

	1912	1913
Privy nuisances.....	7	4
Privies abolished.....	4	11
Cesspool nuisances.....	8	7
Cesspools abolished.....	31	23
Premises connected with sewer by order of Board	1	0
Hen nuisances.....	2	10
Dumping nuisances.....	11	23
Offensive garbage pail.....	2	5
Uncleanly premises.....	18	7
Dumping garbage.....	5	0
Pig nuisances.....	1	3
Stable nuisances.....	5	5
Manure.....	2	6
Stagnant water.....	5	5
Insufficient sanitary provision.....	2	4
Obstructed house drain.....	3	0
Defective plumbing.....	3	3
Defective drainage.....	0	1
Animals in Apartments.....	0	2
Leaking garbage wagon.....	0	2
Filthy milk bottles.....	0	1
Pollution of drinking fountain.....	0	1
Lunch cart nuisance.....	0	1
Noise.....	0	2
Burning rubbish.....	1	0
Ell Pond Brook.....	0	1
Complaints investigated and no cause for com- plaint.....	3	7
Dead animals buried.....	59	47
Dead animals unburied.....	0	2

Garbage.

Collection of garbage has been continued under a contract as heretofore and for various reasons has been very unsatisfactory.

As bearing upon the disposition of household waste the Board incorporates in this report the following taken from the report of the previous year:—"Householders should not forget that any successful disposition of garbage, like "Charity, begins at home."

First: No broken glass, crockery, or empty cans, or poisonous or offensive substances should be put in the garbage can. Even a pig is entitled to some consideration.

Second: All garbage should be drained. The contractor is not required to haul or dispose of water. Again, in winter, if garbage contains water, it freezes and the can is injured in removing it.

Third: The receptacle should not leak, have a close-fitting cover, and be fly-proof, and it should be washed in summer-time after each collection.

If householders will observe these recommendations and remember that under the contract they are entitled to two collections each week, the Board will be glad to investigate every charge of neglect or failure upon the part of the contractor.

It is the opinion of the Board that the City should abandon, certainly at the close of the present contract, the method of collecting garbage by contract.

Report of Inspector of Plumbing

January 1, 1914.

To the Board of Health, City of Melrose, Mass.

Gentlemen:—

I submit the following as the annual report of plumbing inspection for the year ending December 31, 1913.

Number of applications received	195
Number of permits granted	195
Number of new buildings connected with sewer	61
Number of old buildings connected with sewer	26
Number of new buildings connected with cesspools	19
Number of old buildings connected with cesspools	11
Number of sinks installed	150
Number of wash trays installed	106
Number of water closets installed	196
Number of bath tubs installed	138
Number of wash bowls installed	147
Number of new traps installed	25
Number of pantry sinks installed	2
Number of slop sinks installed	2
Number of urinals installed	1
Number of drinking fountains installed	4
Number garage wash stands, floor drains and traps installed	1
Number of shower baths installed	2
Number of lead bends replaced	5
Total number of fixtures installed	774

Respectfully submitted,

ANDREW J. BURNETT,

Inspector of Plumbing.

Mosquito Extermination.

The mosquito as a pest and as an enemy to comfort has been known probably from the beginning of time. As a factor in dissemination of disease he has been known only a few years.

It has been demonstrated that the *Anopheles* mosquito conveys malaria and the *Stegomyia* is the variety which conveys yellow fever.

During the year 1912 there was an appropriation of \$1,000, made by the Commonwealth for the State Board of Health to promote the extermination of mosquitoes. Work of large magnitude has also been done on the marshes in Revere, Winthrop and Medford. As a result, Melrose has received much relief inasmuch as over 80% of our mosquitoes are supposed to be the marsh mosquito, which migrates inland many miles.

In the month of August 1913 the Board of Health accompanied by the Mayor and aided by Earle M. Harvey, District Manager of the United States Drainage and Irrigation Co., made a survey of the city.

The *Anopheles* or Malaria mosquito and the *Culex* *Pipiens*, both of the inland variety were found in many places.

Experience has proven that the mosquito may be exterminated. The problem in Melrose is probably the drainage of marshlands and this is complicated by the old Spot Pond Brook problem through a considerable part of its course and must await the solution of that question.

During the past year the Park Department has treated some bodies of stagnant water, which it was not feasible to drain at present, by applying petroleum oil. Other small areas have been treated.

Mosquitoes often breed in obstructed house gutters, in tin cans and other receptacles which are put out to be removed to the dumps. Householders would aid in the prevention of mosquito breeding if the bottoms of cans and other receptacles were perforated before being placed in receptacles for removal. They might also, at small expense, apply kreosene or other petroleum oil to any small body of stagnant water on or near their premises.

Table XIII.
DEATHS CLASSIFIED BY SEX, BY AGE, AND BY CAUSE.
Exclusive of stillbirths.

Class No.	CAUSE OF DEATH	All Ages	Under 1 year	1 yr.	2 yrs	3 yrs	4 yrs	Under 5 yrs	5-9 yrs	10-14 yrs	15-19 yrs	20-24 yrs	25-29 yrs	30-34 yrs	35-39 yrs	40-44 yrs	45-49 yrs	50-54 yrs.	55-59 yrs	60-64 yrs	65-69 yrs	70-74 yrs	75-79 yrs	80-84 yrs	85-89 yrs	90-94 yrs	95-99 yrs	100 yrs and over	Deaths at Unknown age	Class No.
	All Causes	198																												
	Males	94																												
	Females	104																												
	I. General Diseases	46																												
	Males	20																												
	Females	26																												
1	Typhoid Fever.....M	1												1																1
	F	1												1																
8	Whooping Cough.....M	1	1					1																						8
	F																													
10	Influenza.....M	2																		1		1								10
	F																													
20	Purulent infection and septicaemia.....M	3															1			1		1								20
	F																													
28	Tuberculosis of the lungs.....M	3											1			2														28
	F	4								1			1	1				1												
30	Tuberculos meningitis.....M																													30
	F	2	1	1				2																						
39	Cancer and other malignant tumors of the buccal cavity.....M	1																			1									39
	F																													
40	Cancer and other malignant tumors of the stomach and liver.....M	4																			1	1		1		1				40
	F	3																												
41	Cancer and other malignant tumors of the intestines and peritoneum.....M																													41
	F	6												1		1			2			1		1						
42	Cancer and other malignant tumors of the female genital organs.....M																													42
	F	3												1		1			1											
43	Cancer and other malignant tumors of the breast.....M																													43
	F	3															1	1									1			
45	Cancer and other malignant tumors of other organs or organs not specified.....M	1																			1						1			45
	F																													
48	Chronic Rheumatism and gout.....M																													48
	F	1					1	1												1										
50	Diabetes.....M	1																												50
	F	2								1																				
54	Pernicious Anaemia.....M																													45
	F	1																				1								5
56	Alcoholism.....M	2																												56
	F																													
59	Other chronic poisonings.....M	1															1													59
	F																													
	II. Diseases of the nervous system and of the organs of special sense.	33																												
	Males	15																												
	Females	18																												
63	Infantile Paralysis.....M	3			1		1	2		1																				63
	F																													
	Other diseases of the spinal cord.....M	1																		1										
	F	2								1										1										
64	Apoplexy.....M	10												1					1	1	2	1	1	1	1					64
	F	12										1			1					1	2	2	1	1	3	1				
65	Softening of the brain.....M																													65
	F	1																				1								
66	Paralysis without specified cause.....M																													66
	F	1																				1								
67	General paralysis of the Insane.....M																													67
	F	1																						1						
73	Neuralgia and neuritis.....M																													73
	F	1																				1								
74	Other diseases of the nervous system.....M	1																												74
	F																													
	III. Diseases of Circulatory System	36																												
	Males	15																												
	Females	21																												
79	Organic diseases of the heart.....M	15																1	2	2	3	4	1	1			1			79
	F	17									1				1	1	1	3	2	1	1		3	2	1					80
80	Angina pectoris.....M																													
	F	1																						1						81
81	Arterio-sclerosis.....M																													
	F	1																							1					
82	Embolism and thrombosis.....M																													82
	F	2													1			1												
	IV. Diseases of the Respiratory System.	29																												
	Males	17																												
	Females	12																												
90	Chronic Bronchitis.....M	3																	1	1			1							90
	F																													
91	Broncho-pneumonia.....M	5			1			1					1										2	1						91
	F																													
92	Pneumonia.....M	8			1			1					1		1		2	1	1		1									92
	F	12	3					3				1		1	1			1	1			3	1							
98	Other diseases of the respiratory system.....M	1																												98
	F																													
102	V. Diseases of the Digestive System	11																												
	Males	4																												
	Females	7																												
102	Ulcer of the stomach.....M																													102
	F	1																												
103	Acute Indigestion.....M																													

[illegible]

Undertakers.

The following named undertakers have been licensed:—
Albert J. Walton, John H. Gately, Stephen W. Harvey, Fred
T. Churchill, and Henry W. Clark.

Boarding Houses for Infants.

The Board has approved the applications of the following
named persons to maintain boarding-houses for infants, viz:—
Mary E. Silver, Nellie Crosby, Marie Fester, Jennie I. Chap-
man, Mary J. Crowley, Agnes Thompson, Clara J. Manley,
Jane Harfst, Rose E. Whitaker, Edith A. Benson.

ESTIMATED POPULATION JULY 1, 1913, 16,634.

	1910	1911	1912	1913
Apparent death rate per 1,000 population	13.00	10.98	10.33	11.30
Corrected death rate per 1,000 population	14.43	12.03	11.88	12.91

NOTE.—The corrected death rate is found by elimin-
ating the records of all non-residents dying in Melrose, and
adding the records of all Melrose residents dying elsewhere,
as shown by the records of the City Clerk.

CLARENCE P. HOLDEN, *Chairman.*

ARTHUR A. HAYDEN,

EDMUND L. GRUNDY,

Board of Health.

Melrose, Mass., December 31, 1913.

Balance Cash on hand and in Bank, Jan., 1913	\$22,966.11	
Receipts in 1913	\$1,011,786.86	
		\$1,034,752.97
Payments in 1913		1,021,882.96
Balance in hand and in Bank at close of financial year 1913		\$12,870.01

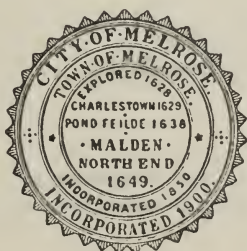
W. R. LAVENDER,

Examined and found correct, *City Treasurer.*

EDWIN C. GOULD,

City Auditor.

Fourteenth Annual Report
of the
Public Works Department



GEORGE O. W. SERVIS

Engineer and Superintendent

CITY OF MELROSE

1 9 1 3

ORGINIZATION

1913

HON. OLIVER B. MUNROE,
Mayor.

George W. Wood, January 1, to March 1, 1913.
George O. W. Servis, March 1, to December 31, 1913.
Engineer and Superintendent

Emma L. Leighton, Stenographer, William H. Martin.
Blanche E. Nickerson, Asst. Stenographer. Bookkeeper.

A. J. Waghorne,
Assistant in charge Sewers and Drains.

James McTiernan,
Assistant in charge Water Division.

Walter J. Lord,
Assistant in charge Highways.

Engineering Division,
Charles F. Woodward, Assistant. John Dyer, Transitman.
Elmer O. Pray, Transitman. A. Kenneth Prior, Rodman,

Public Works Department

To His Honor the Mayor and the Board of Aldermen:—

Gentlemen:—In accordance with the City Ordinance I have the honor to submit herewith the Fourteenth Annual Report of the Public Works Department of the City of Melrose for the fiscal year ending December 31, 1913.

PUBLIC WORKS OFFICE.

278 permits have been given to open and occupy public streets. 159 orders of the Board of Aldermen have been attended to or reported on, and the following contracts made: Tar Concrete, Edgestone, Granolithic, Hassam Pavement Main Street, Ice, Steel Vault Fittings, Sodding, Sewer Pipe and Water Pipe.

Salaries and Wages.

Appropriation \$2,650.00

Expended:

Salary, Engineer and Superintendent

Public Works \$2,000.00

Clerical Services 650.00 2,650.00

Other Expenses.

Appropriation \$650.00

Expended:

Typewriter \$50.00

Printing, Stamps and Stationery 166.00

Printing Annual Report, Engineer and
Superintendent 38.02

Telephone 29.47

Use of Automobile 364.00 647.49

Treasury Balance \$2.51

WATER DIVISION.

Construction.

Stock bal., Jan. 1, 1913.....	\$1,455.56
Treasury bal., Jan. 1, 1913..	1,186.18
Appropriation.....	15,000.00
	\$17,641.74

Expended.

Services—Stock.....	\$919.27		
Labor.....	689.51	\$1,608.78	
Meters—Stock.....	\$870.57		
Labor.....	126.91	997.48	
Main Line.—Stock.....	4,608.99		
Labor.....	6,751.12		
Horse, Tools and repair same.....	638.60	11,998.71	14,604.97
Treasury Balance.....			\$3,036.77

Inside Services.

Collections paid Treasurer..	\$3,116.68	
Balance Jan. 1, 1913.....	78.25	\$3,194.93

Expended.

Stock from Maintenance....	\$1,622.89	
Labor.....	1,282.58	2,905.47
Treasury Balance.....		\$289.46
*Due Maintenance account	\$233.48	

Maintenance.

Appropriation	\$10,000.00		
Stock on hand	4,550.71	\$14,550.71	

Expended

Outside Services—Stock . . .	\$713.55		
Labor . . .	1,318.24	2,031.79	
R laying Mains—Stock	\$317.95		
Labor	334.14	652.09	
Repairing Mains—Stock . . .	\$103.00		
Labor . . .	425.92	528.92	
Hydrant Maintenance—			
Stock	100.12		
Labor	224.55	324.67	
Meter Maintenance—Stock . .	\$298.60		
Labor . . .	339.40		
Reading	1,755.37	2,393.37	
General Maintenance—			
Salaries	\$2,522.39		
Board and Care Horse . . .	523.25		
Harness and Cart Repair . .	229.24		
Tools and Repair same . . .	609.22		
Hardware, Oil and Sun-			
dries	184.02		
Stationery, Stamps, etc . .	149.45		
Telephone	81.36	4,298.93	10,229.77
Stock balance	4,161.38		
Treasury Balance	159.56		4,320.94

Stock Account.

Balance Jan. 1, 1913 \$4,550.71

Stock purchased:—

Wrought . iron Pipe and fit- tings	\$165.27
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Cast Iron Pipe and Fittings	3,668.25
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Brass Pipe and Fittings	93.98
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Lead Pipe, Pig Lead and solder	2,257.49
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Hydrants, Gates and Valves . .	886.24
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Meter Parts . . .	282.75
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Coal, Wood and Lumber	75.61
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Labor on Stock	203.18
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Rent of Yard . .	175.00	8,155.89	12,706.60
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Stock used for

Maintenance . . .	1,533.22
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Stock to Other ac-
counts

7,012.00	8,545.22
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Balance on hand . .

\$4,161.38

Water Rates.

Received by Collector and paid Treasurer:

1911 rates	\$15.13
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1912 rates	7,274.13
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1913 rates	37,385.03
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Summons	80.00	\$44,754.29
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1913 rates as billed	\$44,253.96
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Cost of System.

Construction to January 1, 1913..	\$428,820.20
Construction 1913.....	14,604.97
Total Cost to Jan. 1, 1914.....	\$443,425.17

Distribution Mains—Extension.

6,079 feet of new mains have been laid during the year, including hydrant branches, making a total length in the City of approximately fifty-three and thirty-one one hundredths (53.31) miles.

1,320 feet of cement pipe have been replaced with cast iron pipe, 14 additional fire hydrants have been placed, the total now in service being 348 maintained by this department.

16 water gates have been added to the system, and one abandoned, making a total of 3,837.

Water Meters.

Ninety-five (95) meters have been installed and three (3) abandoned during the year, making a total of Four thousand forty-one (4,041) in use December 31, 1913.

Maintenance and Operation.

The entire system of mains, services, hydrants, water meters, etc., has had careful attention, and the necessary repairs and changes have been made. Following are some of the items:—

- 8 breaks in cement pipe repaired.
- 23 joints in iron pipe repaired.
- 30 service leaks in street repaired.
- 36 services in street cleaned.
- 16 services in private premises cleaned.
- 127 services in street renewed with lead.
- 84 services in private premises renewed with lead.
- 33 gates repacked.

Hydrants were oiled, repaired and kept free from snow and ice. The table of Relay gives length, size, etc., of cast iron pipe used to replace defective or small cement pipe.

TOTAL PIPEAGE OF THE CITY.

Number of feet 3-4 inch pipe	1,264
“ “ “ 1 “ “	1,633
“ “ “ 1½ “ “	375
“ “ “ 2 “ “	5,948
“ “ “ 4 “ “	52,278
“ “ “ 6 “ “	145,593
“ “ “ 8 “ “	24,249
“ “ “ 10 “ “	19,846
“ “ “ 12 “ “	22,156
“ “ “ 14 “ “	2,920
“ “ “ 16 “ “	5,223

Total 281,485

Length of cast iron pipe, 216,322 feet, or 40.97 miles.

“ “ cement pipe, 65,163 “ “ 12.34 “

Total 53.31 miles.

Number of services in use	3,837
“ “ meters	4,041
“ “ fire hydrants	348
“ “ gates on mains	570
“ “ standpipes for street sprinkling	35
“ “ watering troughs	4
“ “ ornamental fountains	2
“ “ drinking fountains	1
“ “ fire services	18

WATER ASSESSMENTS AND CONSUMPTION.

The annual assessments paid by this City as its proportionate part of the cost and operation of the Metropolitan Water Works are given below:

Year.	Sink- ing Fund.	Interest	Main- tenance.	Maturing Serial Bonds.	Total.
1898.	No Division				\$3,332.94
1899.	No Division				4,921.63
1900.	No Division				6,740.49
1901.	\$2,758.43	\$7,130.58	\$2,657.31		12,546.32
1902.	4,398.83	7,038.98	2,997.12		14,434.93
1903.	3,630.11	11,243.27	2,941.96		17,815.34
1904.	3,730.13	12,492.25	3,500.35		19,722.73
1905.	4,829.71	12,558.36	3,090.46		20,478.53
1906.	5,802.58	14,905.91	4,521.60		25,230.09
1907.	6,433.77	15,748.61	4,788.81		26,971.19
1908.	6,564.43	18,112.32	4,018.30		28,693.90
1909.	5,405.19	14,495.42	4,622.77		24,523.38
1910.	4,464.87	11,925.83	3,250.21		19,640.91
1911.	4,683.16	12,866.12	3,605.47	\$45.83	21,200.58
1912.	4,699.42	13,098.79	3,094.25	85.55	20,978.01
1913.	4,862.03	13,691.71	4,035.19	95.93	22,684.86

The daily per capita consumption of water in Melrose, as recorded by the Venturi meters, operated by the Metropolitan Water Works, is shown below by months for the years 1908, 1909, 1910, 1911, 1912 and 1913.

GALLONS PER CAPITA PER DAY.

	1908	1909	1910	1911	1912	1913
January.	105	61	57	59	65	64
February.	102	61	59	60	83	67
March.	93	58	59	59	77	67
April.	94	60	61	60	71	71
May.	99	64	65	68	74	75
June.	111	71	66	65	84	80
July.	106	71	65	71	79	82
August.	84	66	71	61	64	75
September.	85	63	65	65	62	72
October.	72	61	66	66	57	58
November.	64	60	61	62	60	56
December.	61	55	61	62	57	54

The following table shows the daily per capita consumption of water in the cities and towns in the Metropolitan Water District for the year 1913 as registered by the Metropolitan meters:—

City or Town	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec	Year
Boston.....	118	124	109	104	105	107	109	105	107	107	103	108	108
Somerville....	75	82	76	73	74	77	75	67	66	65	65	70	72
Malden.....	42	45	45	45	47	50	51	48	48	46	46	45	46
Chelsea.....	85	87	81	82	85	85	84	79	79	77	73	71	80
Everett.....	66	77	67	63	61	67	70	69	62	60	60	63	65
Quincy.....	67	72	74	75	73	83	92	87	77	71	69	72	76
Medford.....	47	49	51	50	49	51	54	47	46	47	46	43	48
Melrose.....	64	67	67	71	75	80	82	75	72	58	56	54	68
Revere.....	60	68	60	60	66	76	89	70	74	65	59	59	67
Watertown...	58	59	60	61	62	67	68	59	62	61	62	60	62
Arlington.....	60	57	56	50	61	79	94	72	60	59	53	51	63
Milton.....	33	34	35	35	40	45	46	41	40	42	41	38	39
Winthrop.....	49	50	51	52	57	75	94	85	59	51	51	49	60
Stoneham....	53	53	51	51	59	63	65	55	54	49	43	39	53
Belmont.....	57	61	59	62	71	89	115	91	74	68	68	64	73
Lexington....	54	56	56	63	66	68	87	82	76	66	63	60	67
Nahant.....	45	55	42	58	97	199	347	289	151	77	51	48	123
Swampscott..	54	59	47	47	59	83	105	93	66	51	49	47	63
Met. Dist....	99	105	94	90	91	95	98	93	92	91	88	88	94

This district, in order of per capita consumption, beginning with the lowest, stands as follows:

- | | |
|---------------|----------------|
| 1. Milton | 9. Lexington |
| 2. Malden | 9. Revere |
| 3. Medford | 10. Melrose |
| 4. Stoneham | 11. Somerville |
| 5. Winthrop | 12. Belmont |
| 6. Watertown | 13. Quincy |
| 7. Swampscott | 14. Chelsea |
| 7. Arlington | 15. Boston |
| 8. Everett | 16. Nahant |

WATER CONSTRUCTION—1913.

LOCATION	Pipe Laid		Gates		Hyd'ts		Cost
	Length in Feet	Size Inches	No.	Size Inches	No.	Size Inches	
Lincoln St., No. 71 South	210	6	.....	.....	.....	.....	\$388.89
Prescott St. Hancock St. North	30	6	1	6	1	4	109.19
Stevens Rd. Perkins St. North	250	6	1	6	.....	.....	273.48
Warwick Rd. Perkins St. North	264	6	.....	.....	.....	.....	528.58
Swain's Pond Ave., No. 287 to No. 370	1,106	6	2	6	2	6	1,879.95
Upham St. to Altamont Ave.	114	6	.....	.....	.....	.....	138.25
Altamont Ave. Upham St. South	289	6	1	6	1	6	322.50
Forest St. . . . .	.....	.....	1	6	.....	.....	81.63
Fairview Ave. Farwell West to Howard St.	80	6	.....	.....	.....	.....	125.51
Haskell St. Farwell West to Howard St.	275	6	2	6	1	6	409.34
Farwell Ave. North to Haskell St.	43	6	.....	.....	.....	.....	220.37
Stevens Rd. Warwick Rd. South	418	6	1	6	1	6	598.72
Faulkner Place	60	4	1	4	.....	.....	106.32
*Youle St.	9	6	1	6	1	6	1,664.29
Harold St. Goss Ave. West	209	6	1	6	1	6	323.33
Goss Ave. No. 77 to Harold St.	30	6	.....	.....	.....	.....	20.70
Prescott St. Hyd't to Temple St.	190	6	.....	.....	.....	.....	714.66
Temple St. Prescott East to Beacon	258	6	1	6	.....	.....	524.78
Foster St. West . . . . .	.....	.....	1	8	.....	.....	45.30
Beacon St. Temple St N'ly	552	6	1	6	2	6	784.36
Beacon St.	128	1	.....	.....	.....	.....	12.28
Hawthorne St. Temple St. to Haley's	150	1	.....	.....	.....	.....	56.42
Boardman Ave. No. 78 East	68	6	.....	.....	.....	.....	63.50
Holland Rd.	449	6	.....	.....	1	6	785.89
Edgemere St. Ryder Ave. East	138	6	.....	.....	1	4	173.28
Corey Pl. Ext. Southerly	126	6	.....	.....	1	6	170.09
Ryder Ave. Gibbons St. to Edgemere	628	6	1	6	1	6	822.48
Temple St. . . . .	.....	.....	.....	.....	.....	.....	16.02
Service and Meter Const. . . . .	.....	.....	.....	.....	.....	.....	2,606.26
Horse, Tools, etc. . . . .	.....	.....	.....	.....	.....	.....	638.60
	6,074	.....	16	.....	14	.....	\$14,604.97

*See Relay.

HIGHWAY DIVISION.

Main Street Improvement.

Following the recommendation of His Honor, the Mayor, an order was passed to improve Main street, Malden Line to Porter Street. Since it was necessary, before this work could be done to have new Street Railway tracks and paving, and the electric and telephone wires underground, conferences were held with officials of the Bay State Street Railway Co., Malden Electric Co., and the New England Telephone & Telegraph Co. They were agreeable to our plans, and the work was carried on rapidly after the necessary locations were granted by the Board of Aldermen.

Surface drains and catch-basins were constructed from Sylvan Street northerly, Grove Street southerly to Lynde Street, and new catch-basins built where necessary from Grove Street to Porter Street. Iron water services were renewed with lead, and new services and drains laid to vacant lots.

When this section of Main Street is lighted by the new system, the Malden Electric Co.'s and the New England Tel. & Tel. Co.'s poles removed, there will be a decided improvement in this our main thoroughfare. The Bay State Street Railway Co. laid new rails, and paved with Hassam Granite blocks on concrete foundation, from Porter Street to Wyoming Avenue, and the cobblestone paving from Wyoming Avenue to Malden Line was replaced by granite block paving.

Hassam Compressed Concrete Pavement was laid from Porter Street to Grove Street, by Simpson Brothers Corporation, and part of Lower Main Street constructed with Tai Macadam.

The underground work should be continued to the Wakefield Line, and the street constructed, as the paving in tracks and the street is in very bad condition.

The old material from Main Street was used to construct Rowe Street, Emerson Street northerly, First Street, Gooch Street to Sewall Street, Meridian Street, Rogers Street to Park Street and Cedar Park, Vinton Street westerly.

Granite crossings were removed and used on other streets,

and paving blocks in gutters were removed and will be used for paving gutters, and crossings on other streets.

Chester Street, Adams Street to Florence Street; Essex Street, Emerson Street to near Main Street; East Foster Street, Dell Avenue to Lebanon Street; Hurd Street and Stratford Road from No. 57 to Porter Street were macadamized and Goss Avenue from Harold Street northerly about 120 feet was constructed with gravel.

TREES.

Through the efforts of the Melrose Woman's Club and the Melrose Highlands Woman's Club, a canvass of the city was made, and orders taken for planting about 200 trees; the abuttor paid for tree, loam and protector, and the city did the planting.

Practically all of the trees lived, and will add to the beauty of our city, as have those planted by the forethought of early public-spirited citizens. If an equal number are planted every year, where most needed, it will be money well expended.

FIRE—CITY STABLE

The Department met with a severe loss June 15, 1913, by fire at the City Stable on Linwood Avenue. However, the work was carried on with little or no delay with hired teams, and the city teams were replaced by new purchases that are a credit to the department.

As the stable was an entire loss, we were obliged to find new quarters, and the Keating stable on Pleasant Street was leased.

Some decided action should be taken relative to the building of a City Stable, as our present location is unsuitable and inadequate for the needs of the department. The City has good horses and faithful drivers and laborers, but is handicapped by the conditions under which the department is obliged to work.

General Administration.

Appropriation	\$2,000.00
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Expended.

Bookkeeper (part salary)	\$251.23	
Assistant Superintendent	1,129.20	
Timekeeper (part salary)	434.57	
Laborers (regular help not charged elsewhere)	5.00	
Watchman (part salary)	180.00	2,000.00

Repairing.

Appropriation	\$9,000.00	
Excise Tax	2,300.26	
Street Railway Tax	3,044.92	
Transferred Order No. 8094	885.57	
Transferred, Order No. 8094	336.52	
Collections 1912 account	399.73	\$15,967.00

Expended.

Minor repairs	2,552.82
Snow account	485.79
Blacksmithing	575.29
Roller account	498.87
Blacksmith shop	95.58
Paving repairs	183.29
Castings	202.25
Ledge drilling	333.62
Bridges and culverts	130.85
Guard rails	104.33
Tool and expense account	984.57
Granite crossings (see table)	690.23
Repair present walks	1,080.52
Street cleaning	132.96
Collection ashes	344.12
Surface drainage maintenance	35.66

Gravel sidewalk repairs (see table)	1,216.09
Albion street	137.11
Altamont Avenue	218.75
Ashmont Park	37.75
Batchelder Street	13.82
Beech Avenue	24.43
Bellevue Avenue	16.81
Botolph Street	24.40
Cass Street	3.09
Cedar Park	19.22
Charles Street	26.78
Chestnut Street	10.65
Cleveland Street	23.88
Cherry Street	29.00
East Street	141.35
Elm Street	11.56
Emerson Street, West	43.85
Essex Street	2.25
Ferdinand Street	\$28.14
First Street	111.72
Foster Street, West	206.38
Foster Street, East	5.94
Florence Street, So. Wyoming Ave	128.09
Franklin Street	251.26
Green Street	11.62
Greenwood Street	27.56
Grove Street	287.26
Greystone Road	2.25
Gould Street	11.25
Haskell Street	27.14
High Street South	27.43
Howard Street	103.66
Lebanon Street	206.09
Lake Avenue	6.13
Lincoln Street	389.05
Linden Road	88.15
Linwood Avenue	4.81
Lynde Street	4.48
Main Street	506.17
Melrose Street	119.52

Meridian Street.....	146.06	
Morgan Street.....	50.50	
Myrtle Street.....	24.44	
Newburyport Turnpike.....	201.13	
Orris Street.....	78.03	
Otis Street.....	38.77	
Park Street.....	246.42	
Perkins Street.....	77.25	
Pleasant Street.....	274.62	
Porter Street.....	236.62	
Ravine Road.....	5.91	
Rowe Street.....	49.13	
Russell Street.....	7.65	
Sargent Street.....	7.75	
School Street.....	178.36	
Sewall Woods Road.....	25.37	
Stratford Road.....	23.08	
Summer Street.....	14.63	
Sylvan Street.....	33.13	
Tappan Street.....	12.79	
Trenton Street.....	207.01	
Tremont Street.....	94.66	
Upham Street.....	37.47	
Vinton Street.....	456.23	
Washington Street.....	169.65	
Walton Park.....	53.49	
Warren Street.....	37.15	
Willow Street.....	74.95	
Winter Street.....	17.94	
Wyoming Avenue.....	91.92	
York Terrace.....	9.75	\$15,967.00

Sidewalk Repairs.

Albion Street.....	\$19.75
Briggs Street.....	27.37
Brown Street.....	15.63
Cleveland Street.....	4.94
Dell Avenue.....	28.75

Foster Street, East	13.75	
Emerson Street, West	37.41	
Emerson Street, crosswalk at Main St.	7.88	
Foster Street, West	1.87	
First Street	5.91	
Florence Street	19.65	
General Repairs	122.56	
Green Street	3.08	
Howard Street	43.14	
Lebanon Street	15.34	
Laurel Street	4.43	
Main Street	92.83	
Melrose Street (included plank walk under arch)	72.40	
Mount Vernon Street	4.87	
Meridian Street	6.63	
Nowell Road	12.00	
Orris Street	91.20	
Orient Avenue	6.78	
Perkins Street	340.16	
Pleasant Street	22.75	
Porter Street	16.69	
Rowe Street	40.56	
Sanford Street	20.63	
Sixth Street	4.94	
South Avenue	6.15	
Upham Street	33.82	
Vinton Street	40.00	
Walton Park	4.76	
Whittier Street	1.93	
Wyoming Avenue	7.83	
Transferred from Individual Walks . . .	17.70	\$1,216.09

STEAM ROLLER ACCOUNT.

Expended.

New Set Front Wheels	\$816.10
Teams and Labor	125.25
Supplies	18.03

New Parts.....	5.02	
Coal and Oil.....	250.00	
	\$1,214.40	
Charged to other accounts for use of roller.....	715.53	\$498.87

CRUSHER ACCOUNT.

Stock used.....	\$7,236.76	
Stock sold.....	76.39	
Stock, dirt and gravel to work.....	107.19	\$7,420.34

Expended.

Castings.....	\$413.37	
Supplies and Powder.....	400.46	
Coal and Oil.....	446.84	
Teams.....	181.56	
Labor.....	5,601.50	
Stone.....	133.48	7,177.21
Balance to Maintenance Account.....		\$243.13
543 tons Crushed Stone on hand.		

STABLE ACCOUNT.

Amount Transferred from Fire Loss...	\$5,820.42	
Teams charged to streets and other divisions.....	5,979.48	
Collection paid Treasurer.....	175.00	
Board horses, charged to water, sewers and surface drainage.....	1,241.50	
Horses, etc., for Superintendent and Assistant Superintendent.....	946.00	
Part time of Watchman to Water Div.	326.56	\$14,488.96

Expended.

Hay and grain.....	2,446.24	
Carts and repairs.....	791.75	
Harnesses and repairs.....	971.90	
Horses, shoeing, medical attendance, etc.....	1,345.62	
Horses.....	4,576.70	
Rent, light, heat, including repairing stable.....	691.07	
Sundries, tools, etc., replaced.....	83.62	
Labor as per Pay Roll.....	3,567.36	14,468.26
Balance to Maintenance Account.....		\$20.70

PAVING REPAIRS.

Orris Street.....	\$41.36	
Main Street, near Pearl Street.....	8.25	
Vinton Street.....	37.31	
South Avenue.....	8.97	
West Foster Street.....	16.35	
East Foster Street.....	71.05	\$183.29

BOARDMAN AVENUE.

Balance from 1912 Account.....	\$182.88
Transferred to Repair Account.....	182.88

GOSS AVENUE—Extension.

Balance from 1912 Account.....	\$388.50
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Expended.

Stock and rolling.....	\$116.63	
Teams and labor.....	184.73	301.36
Treasury Balance.....		\$87.14

CHESTER STREET.

Appropriation.....	\$700.00
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Expended.

Stock and rolling.....	\$348.85	
Teams and labor.....	206.69	555.54
Treasury Balance.....		\$144.46

ESSEX STREET.

Appropriation.....	\$2,900.00
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Expended.

Stock and rolling.....	\$1,588.53	
Teams and labor.....	1,175.50	2,764.03
Treasury Balance.....		\$135.87

FLORENCE STREET.

Balance from 1912 Acct...	\$273.22
Transferred to Repair Acct.	273.22

FRANKLIN STREET.

Balance from 1912 Acct...	\$24.16
Transferred to Repair Acct.	24.16

HIGH STREET.

Appropriation.....	\$2,000.00
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Expended.

Stock and rolling.....	\$1,028.06	
Teams and labor.....	971.94	2,000.00

EAST FOSTER STREET.

Appropriation..... \$1,000.00

Expended.

Stock and rolling..... \$613.24
344.00

\$957.24

Less stock and teams due

Highway Repairing..... 71.05 886.19

Treasury Balance..... \$113.81

HURD STREET.

Appropriation..... \$2,000.00

Expended.

Stock and rolling..... \$1,184.66

Teams and labor..... 640.59 1,825.25

Treasury Balance..... \$174.75

MELROSE STREET—Steps and Walks.

Balance from 1912 Acct... \$173.51

Collection paid to Treasurer 25.00

\$198.51

Expended

Transferred to Highway Re-
pairing..... 198.51

MAIN STREET—Improvement.

Appropriation.....				\$25,900.00
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Expended (Porter Street to Grove Street.)

Stock and invoices.....		\$12,747.14		
Less reserve paid 1914.....	\$532.67			
Stock due other divisions..	4.46	537.13		
			12,210.01	
Teams and labor.....			315.89	
				12,525.90

(At Sylvan Street.)**Expended.**

Stock and roll-rolling.....	\$1,569.48			
Teams & labor.....	1,108.20	2,677.68	15,203.58	
Treasury Bal...				\$9,796.42

NEWBURYPORT TURNPIKE

Balance 1912 Acct.....		\$8.97
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Expended.

Paid highways for part of gravel bill.....		8.97
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NOWELL ROAD.

Balance from 1912 Acct...		\$156.78
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Expended.

Labor.....		21.69	
Treasury Balance.....			\$135.09

PERKINS STREET.

Balance from 1912 Acct...	\$1.87	
Transferred to Highway re- pairing.....	1.87	

SARGENT STREET.

Balance from 1912 Acct...	\$35.87	
Transferred to highway re- pairing.....	35.87	

SWAINS POND AVENUE.

Balance from 1912 Acct...	\$28.52	
Transferred to highway re- pairing.....	28.52	

STRATFORD ROAD

Appropriation.....	\$1,200.00	
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Expended.

Stock and rolling.....	\$774.89	
Teams and labor.....	322.13	1,097.02
Treasury Balance.....		\$102.98

SPEAR STREET.

Appropriation.....	\$5,000.00	
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Expended.

Teams.....	\$6.00	
Labor.....	245.08	251.08
Treasury Balance.....		\$4,748.92

WARWICK ROAD.

Balance from 1912 Acct...	\$170.08
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Expended.

Teams and labor.....	\$27.69	
Transferred to highway re-		
pairing.....	142.39	170.08

EAST WYOMING AVENUE.

Balance from 1912 Acct...	\$156.73
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Expended.

Teams and labor.....	80.22	
Treasury Balance.....		\$76.51

SPECIAL APPROPRIATION.**For Horses.**

Balance from 1912 Acct...	\$1,100.00
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Expended.

Horses, H. Harris & Son...	\$650.00	
Horses, W. Hallahan.....	318.00	968.00
Treasury Balance.....		\$132.00

Fire Loss.

Amount of loss allowed...	\$7,141.88	
Amount to stable account..	5,820.42	
Treasury Balance.....		\$1,321.46

Street Signs and Numbers.

Appropriation.....	\$100.00
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Expended.

Signs and hardware.....	\$57.13	
Teams and labor.....	42.87	100.00

Care of Trees.

Appropriation.....	\$700.00
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Expended.

Stock.....	\$30.75	
Teams and labor.....	667.37	698.12
Treasury Balance.....		\$1.88

Ell and Spot Pond Brooks.

Balance from 1912 Acct...	\$72.28
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Expended

Team and labor.....	72.28

Church St., Mountain Ave. and Hancock St.

Appropriation.....	\$5,500.00
No expenditures 1913.	

SIDEWALKS.

There have been 8,369 linear feet of new edgestone set and 2,203 linear feet of edgestone reset, in connection with which it was necessary to repave 2,334 linear feet (778 sq. yds.) of gutters.

There have been 3,359 square yards of granolithic, 582.06 square yards of brick, and 2,495.20 square yards of new tar concrete sidewalks constructed, and 138.72 square yards top dressing, and under Repairs to Present Walks 4,293.25 square yards three-coat tar concrete, and 6,459.76 square yards one-coat work or top dressing were renewed.

INDIVIDUAL SIDEWALKS.

Balance 1912 Acct.....	\$368.80	
Appropriation.....	1,000.00	
Collections.....	1,611.73	
Transferred from continu- ous walks.....	325.44	
Transferred from other divisions.....	122.32	
	3,428.29	
Less refunds.....	357.43	\$3,070.86

Expended.

Teams and labor.....	497.97	
Edgestone.....	1,060.56	
Granolithic.....	1,245.91	
Sodding.....	209.31	
Brick.....	30.19	
Cement.....	3.40	
Stock from other divisions	23.52	\$3,070.86

CONTINUOUS WALKS.

Balance 1912 Acct.....	\$263.61	
Appropriation.....	10,000.00	
Collections.....	33.25	
Assessments credited.....	6,436.30	\$16,733.16

Expended.

Edgestone.....	\$3,621.38		
Less Reserve due 1914....	521.33	3,100.05	
Granolithic.....	<u> </u>	4,215.06	
Concrete.....		1,610.81	
Sodding.....		1,172.33	
Brick.....		430.26	
Sand and gravel.....		140.20	
Cement.....		9.40	
Steps and walks.....		216.53	
Oil and sundries.....		22.74	
Teams and labor.....		2,446.69	
Individual walks.....		104.62	
Transferred Order No. 8199		325.44	13,794.13
	<u> </u>	<u> </u>	<u> </u>
Treasury Balance.....			\$2,939.03

REPAIR PRESENT WALKS.

Balance 1912 Acct.....	\$22.01		
Appropriation.....		4,500.00	
Amount paid for highway..	\$1,080.52		
Amount paid other divisions.....	22.47		
Reserve held for Essex St...	76.87	1,179.86	\$5,701.87
	<u> </u>	<u> </u>	

Expended.

Minor repairs, stock used..	175.50		
Minor repairs, teams and labor.....	283.73		
Concreting.....	5,080.57		
Granolithic.....	73.84		
Wyoming Avenue.....	84.16		
East Foster Street.....	4.00	5,701.80	
	<u> </u>	<u> </u>	
Treasury Balance.....			\$0.07

EDGESTONE RESET AND STREET CORNERS—1913.

Streets	Location	Edgestone		Reset
		Curved	Straight	
Chester Street and Florence Street.....	.....	24.80	.....	.....
Chester Street and Florence Street.....	.....	13.40	14.20	.....
Essex and Willow Streets.....	.....	12.20	.....	.....
Faxon Street.....	.....	.....	.....	415
Florence and Russell Streets.....	.....	13.00	13.00	.....
Linden Pl. and Vinton Street.....	.....	12.50	16.70	.....
Main and East Foster Streets.....	.....	15.80	6.50	.....
Main and East Foster Streets.....	.....	15.80	.....	.....
Main Street.....	City Hall.....	.....	.....	211
Main Street.....	Park.....	.....	.....	267
Main Street.....	High School.....	.....	.....	700
Malvern Street.....	.....	.....	.....	610
Mystic and Glen Avenues.....	.....	24.00	29.60	.....
Total.....	Total.....	131.50	80.00	2,203

INDIVIDUAL WALKS, 1913.

Abutters	Location	Lin. Feet Edgestone		Sq. Yds. Concrete	Sq. Yds. Granolith	Sq. Ft. Sodding	Sq. Yds. Brick	Extra	Credit	Total Cost City Work	Amt. Assess.
		Straight	Curved								
James G. Bowden.....	22 Vinton St.	77.40	.....	.....	.....	1,758	.....	.....	.....	\$57.86	\$28.93
Thomas B. Burke.....	Franklin Street....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mrs. T. A. Carter.....	49 Myrtle St. ....	.....	.....	.....	26.00	.....	.....	.....	.....	41.60	20.80
H. W. Forbes.....	36 Warren St.	51.30	.....	.....	.....	.....	.....	.....	.....	38.45	19.22
George H. Guest.....	129 Bellevue Ave. ....	.....	.....	.....	.....	.....	.....	.....	.....	5.05	5.05
F. M. Goss.....	Stratford Rd.....	.....	.....	.....	.....	190	.....	.....	.....	11.40	5.70
B. W. Guppy.....	52 Stratford Rd....	66.40	.....	.....	37.00	166	.....	.....	.....	121.76	60.88
Arthur L. Hayden.....	126 W. Foster St....	.....	.....	.....	.....	.....	.....	.....	.....	3.83	3.83
C. H. Kennerson.....	173 Bellevue Ave.	63.00	14.60	.....	.....	.....	.....	.....	.....	63.86	31.93
J. M. Leonard.....	177 Bellevue Ave.	137.90	13.20	.....	.....	.....	.....	.....	.....	122.01	61.00
W. A. Lang.....	211 E. Foster St.	94.20	.....	.....	54.37	230	.....	.....	.....	185.90	92.95
E. Copeland Lang.....	129 Rowe St.	50.00	.....	.....	.....	112	47.03	.....	.....	98.64	49.32
Chas. H. Lang, Jr.....	69 Stratford Rd.	80.00	.....	.....	47.03	186	.....	.....	.....	144.51	72.25
Melrose Hosp. Ass'n.....	Porter and Lebanon Sts...	411.10	51.90	.....	297.63	1,301	.....	.....	.....	960.67	480.33
E. E. Pierce.....	46 Clifton Park.....	.....	.....	.....	42.20	155	.....	.....	.....	86.87	43.44
E. E. Prescott.....	Briggs St.....	150.00	.....	.....	.....	.....	.....	.....	.....	132.26	66.13
C. C. Sawyer.....	80 Stratford Rd.	100.70	11.00	.....	57.00	143	.....	.....	.....	183.69	91.85
R. W. Smith.....	32 Rowe St.....	.....	.....	.....	26.00	.....	.....	.....	.....	41.60	20.80
Mrs. H. W. Sawyer.....	8 Bellevue Ave.....	133.00	.....	.....	.....	.....	.....	.....	.....	95.31	47.66
C. F. Southwick.....	44 Henry Ave.....	.....	.....	.....	.....	187	.....	.....	.....	6.55	3.27
Alice M. Svett.....	17 Beverly St.....	50.20	8.00	.....	33.00	143	.....	.....	.....	100.98	50.49
H. N. Vaughn.....	65 Gooch St., cor. First St...	171.30	12.50	.....	117.22	433	.....	.....	.....	353.50	176.75
Wm. Woodridge.....	180 Bellevue Ave.....	165.40	12.20	.....	.....	159	.....	.....	.....	151.55	75.77
Totals.....	Totals.....	1,801.90	123.40	.....	737.45	5,163	47.03	.....	.....	.....	.....

STREET SPRINKLING.

On March 17, 1913, the Board of Aldermen passed Order No. 7745, ordering the following streets sprinkled in accordance with Chapter 24 of the City Ordinances.

Street	From	To	Lin. Ft.
Ashland St.	Melrose St.	Highland Ave.	1,241
Ashland St.	Marvin Road	Wakefield Line	532
Ashmont St.	Pleasant St.	Crescent Ave.	
Adams St.	Wyoming Ave.	Russell St.	827
Batchelder St.	Bellevue Ave.	Porter St.	869
Bellevue Ave.	Linden Rd.	Upham St.	2,442
Berwick St.	Foster St.	Wyoming Ave.	1,230
Boardman Ave.	Main St.	Hawes Ave.	600
Botolph St.	Franklin St.	West Hill Ave.	373
Cass St.	Grove St.	Foster St.	505
Cedar Park	Emerson St.	End Pope & Abbott's	332
Cedar Park	Emerson St.	Bend at Depot	370
Cleveland St.	60 ft. south Sanford	Wyoming Ave.	
Cottage St.	Foster St.	Wyoming Ave.	1,140
Dell Ave.	Upham St.	Winter St.	362
Elm St.	Howard St.	Linden Rd.	1,090
Emerson St.	Stoneham Line	Stratford Rd.	6,660
Essex St.	Emerson St.	Main St.	1,897
First St.	Lebanon St.	Holbrook's east line	460
Florence St.	Foster St.	Russell St.	2,132
Foster St.	Vinton St.	Larrabee St.	4,784
Franklin St.	Main St.	Stoneham Line	4,847
Gooch St.	Laurel St.	Foster St.	279
Green St.	Porter & Lebanon St.	Main St.	2,834
Greenwood St.	Franklin St.	Woodland Ave.	1,147
Greystone Rd.	First St.	Upham St.	427
Grove St.	Berwick St.	Larrabee St.	3,983
Henry Ave.	Highland Ave.	Richardson Rd.	647
Herbert St.	Berwick St.	Myrtle St.	379
Highland Ave.	Ashland St.	Sargent St.	949
Hillside Ave.	Upham St.	Emerson St.	445
Hillside Ave.	Bellevue Ave.	Angle in Street	336
Howard St.	Green St.	East Line No. 196	
Hurd St.	Cottage St.	B. & M. R. R.	776
Lake Ave.	Emerson St.	Tremont St.	1,224
Lebanon St.	Porter St.	South Line, No. 333	3,799
Linden Rd.	Main St.	100 ft. east Bellevue Ave.	838
Linden Rd.	Elm St.	Porter St.	655
Lynde St.	Main St.	Summer St.	1,234
Laurel St.	Lebanon St.	Larrabee St.	1,344
Main St.	Malden Line	Wakefield Line	11,994
Malvern St.	Potter St.	Meridian St.	1,325
Maple St.	Vinton St.	Cleveland St.	216
Meridian St.	Grove St.	Beech Ave.	737
Melrose St.	Vinton St.	Tremont St.	893
Melrose St.	Front No. 120		170
Morgan St.	Main St.	Richardson Rd.	1,313
Myrtle St.	Grove St.	Emerson St.	2,227
North Ave.	Walton Park	Stoneham Line	693
Orris St.	Vinton St.	Walton Park	1,090
Orient Ave.	Porter St.	Emerson St.	1,015

PUBLIC WORKS DEPARTMENT

151

Street	From	To	Lin. Ft.
Pleasant St.	Wyoming Ave.	Francis St.	
Porter St.	White's west line	School St.	1,618
Poplar St.	Emerson St.	Prospect St.	600
Rowe St.	Upham St.	Green St.	2,023
Sanford St.	Florence St.	Cleveland St.	253
Sargent St.	Franklin St.	Briggs St.	1,398
Richardson Rd.	Ashland St.	Marvin Rd.	
Sewall St.	Upham St.	First St.	390
Stratford Rd.	Upham St.	East line No. 57	538
Summer St.	Lynde St.	Linwood Ave.	290
Tremont St.	Emerson St.	J. P. Deering's	566
Tremont St.	Franklin St.	Melrose St.	847
Trenton St.	Foster St.	Washington St.	2,560
Upham St.	Main St.	Lincoln St.	3,250
Vine St.	Essex St.	Myrtle St.	650
Vinton St.	Franklin St.	Foster St.	4,880
Walton Park	Franklin St.	Orris St.	832
Warren St.	Franklin St.	Orris St.	614
Washington St.	Trenton St.	Gould St.	
Willow St.	Essex St.	Foster St.	557
Wyoming Ave.	Stoneham Line	Brown's east line	4,446
Youle St.	Vinton St.	Leeds St.	892

During the year the following additions were made:

Street	From	To
Everett Street		
First Street	Sewall Street	Larrabee Street
Howard Street	No. 196	Saugus Line
Larrabee Street	First Street	East Foster Street
Linwood Avenue	Grove Street	Lynde Street
Nowell Road		
Orris Street	Walton Park	Stoneham Line
Russell Street	Florence Street	Trenton Street
Walton Park	Orris Street	Stoneham Line

STREET SPRINKLING.

Watering.

Labor.....	\$142.89
Teams.....	219.00
Repair of carts.....	35.55
Repair of standpipes.....	31.70
Printing assessment blanks	14.25
Correcting schedules.....	5.00
	1,448.39

Oiling.

Alden Speare's Sons Co., oil.....	\$6,454.76		
Barrett Mfg. Co., Tarvia B.	42.00		
Labor and teams.....	212.03		
Cleaning for oiling.....	644.72	7,353.51	\$8,801.90
Less collections.....			12.50
Amount expended.....			\$8,789.40
Amount certified for Assessment.....			\$ 9,335.44

STREET CLEANING.

Appropriation.....	\$5,200.00		
Paid from highway re- pairing.....		132.96	\$5,332.96

Expended.

Labor and teams.....	3,714.85		
Labor—push-carts.....	1,553.67		
Tools and repairing carts (1789 double loads to dump).....	64.44		
			5,332.96

COLLECTION ASHES AND RUBBISH.

Appropriation.....	\$3,500.00		
Paid from highway repairing	344.12		\$3,844.12

Expended.

Labor and teams collecting	3,590.32	
Labor, leveling dumps....	199.60	
Labor, delivering ash notice.....	27.00	
Oil suits and sundries (35,05 double loads collected) ..	<u>27.20</u>	\$3,844.12

STREET LIGHTING.

Appropriation..... \$15,500.00

Expended.

Malden Electric Co., as per contract.....	15,503.04	
Deficit.....	<u> </u>	\$3.04

CITY HALL.**Salaries and Wages.**

Appropriation.....	\$1,400.00	
Transferred from other expenses.....	\$90.00	1,490.00

Expended

Labor as per pay rolls.....	1,292.65	
Transferred to other expenses.....	98.96	1,391.61
Treasury Balance.....	<u> </u>	\$98.39

Other Expenses.

Appropriation	\$2,000.00	
Transferred from salaries and wages	98.96	\$2,098.96

Expended.

Janitor, supplies and re- pairing	391.56	
Lighting November and De- cember 1912	224.40	
Lighting 1913	927.55	
Heating	465.45	
Transferred to salaries and Wages,	90.00	2,098.96

Repairing Roof.

Appropriation	\$150.00
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Expended.

Repair	124.64	
Treasury Balance		\$25.36

CITY AUDITORIUM.**List of Engagements.**

Evenings, 68	\$1,370.00	
Afternoon, 1	10.00	\$1,380.00
Amount received and paid Treasurer 1913 Account		\$1,380.00
Amount received and paid Treasurer 1912 Account		25.00
		\$1,405.00

Vaults and Plans.

Appropriation.....	\$150.00	
Appropriation.....	1,722.00	\$1,872.00

Expended.

Plans and advertising.....	101.05	
Contract.....	1,722.00	1,823.05
Treasury Balance.....		\$48.95

CITY SCALES.

Amount collected and paid	
Treasurer.....	\$38.00

Expended.

Weigh Books.....	2.33	
Treasury Balance.....		\$35.67

MEMORIAL BUILDING.**Salaries and Wages.**

Appropriation.....	\$1,280.00
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Expended.

Labor as per invoice.....	\$15.00	
Labor as per pay rolls.....	742.58	
Labor as per invoices.....	308.61	1,066.19
Treasury Balance.....		\$213.81

OTHER EXPENSES.

Appropriation.....	\$1,300.00	
Defecit to 1914 Account...	60.65	\$1,360.65

Expended.

Coal and wood	577.94	
Lighting (electricity)	276.93	
Lighting (gas)	22.32	
Supplies	207.87	
Repairs	251.70	
Metered water rates	<u>23.89</u>	\$1,360.65

AUDITORIUM.**List of Engagements.**

Evenings, 28	
Afternoons, 6	
Amount received and paid Treasurer	\$2,309.01

ICE FOR DRINKING FOUNTAIN.

Appropriation	\$25.00
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Expended.

Ice, as per contract	25.00
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STREET BOUNDS.

Balance for 1912 Acct.	\$53.88
No expenditure 1913.	

INSURANCE.

Appropriation	\$3,000.00	
Receipts	<u>69.48</u>	
	\$3,069.48	
Expended	<u>3,055.80</u>	
Treasury Balance		13.68

SEWER DIVISION.

Construction.

Balance from 1912 Acct...	\$6,782.06		
Balance stock 1912 Acct...	3,209.82		
Appropriation.....	10,000.00		
Received from Perkins St.	153.80	\$20,145.68	

Expended.

Sewers constructed (see table).....	\$12,793.31		
Land damage, C. Casey....	150.00	2,943.31	12,943.31
			\$7,202.37
Stock balance, air com- pressor and drills.....		1,581.98	
Stock—pipe, cement and castings.....		2,280.13	3,862.11
Treasury balance.....			\$3,340.26

STOCK ACCOUNT.

Balance Jan. 1, 1913.....	\$3,209.82		
Stock bought:			
Sewer pipe.....	\$3,518.52		
Brick.....	896.70		
Cement.....	483.36		
Castings.....	1,119.84		
Lumber.....	169.29		
Labor on stock.....	160.01		
Rent of yard.....	175.00	6,522.72	
		9,732.54	
Stock used.....	1,679.05		
To other divisions.....	4,191.38	5,870.43	
Stock balance.....			\$3,862.11

Compressor and drill.	\$1,581.98
Stock at yard. .	2,280.13

\$3,862.11

COST OF SYSTEM.

Construction to Jan. 1, 1913	\$443,771.52
Construction 1913.	12,943.31

Total cost to Jan. 1, 1914. \$456,714.83

MAINTENANCE.

Appropriation. \$1,000.00

Expended.

Repairs:

Labor and teams.	\$123.61		
Stock used. . .	9.06		
		132.67	
Repairing concrete. . .	78.63		
Damages. . . .	161.14		
Expenses at Court.	1.11		
Cleaning sewers			
Labor and team	539.76		
Tools	58.89	598.65	972.20

Treasury balance. \$27.80

PRIVATE SEWERS.

There have been 78 connections made with the main sewers the past year, which have been paid for from collections, making a total to Jan. 1, 1914, of 3,018. (Cost of private sewers paid for by applicant.)

Balance Jan. 1, 1913.	\$96.21	
Collections paid Treasurer.	<u>2,615.51</u>	2,711.72

Expended.

Labor.....	1,826.64	
Stock, Sewer Construction.....	690.76	
Stock and teams, highway division....	77.10	2,594.50
Treasury balance.....		\$117.22

SURFACE DRAINAGE.**Construction.**

Balance Jan. 1, 1913.....	\$120.53	
Order No. 8094.....	263.30	
Appropriation.....	10,000.00	\$10,383.83

Expended.

Construction (See Table).....	9,836.49
Treasury Balance.....	\$547.34

SEWERS BUILT TO JANUARY 1, 1914.

Size in Inches		LENGTH IN FEET.										Totals
		1894—1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	
6	Pipe.....	93,993	780	1,906	1,935	5,234	1,134	2,413	2,008	1,338	3,884	114,625
8	".....	47,931	239	342	1,090	696	160	582	488	874	224	52,626
10	".....	16,690	545	.....	.....	171	.....	.....	.....	.....	.....	17,406
12	".....	10,281	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,281
15	".....	3,477	.....	362	.....	.....	.....	.....	.....	.....	.....	3,839
18	".....	5,150	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,150
20	".....	2,788	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,788
24	".....	1,213	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,213
20x18	Brick	3,035	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,035
20	".....	111	.....	.....	.....	.....	.....	.....	.....	.....	.....	111
24	".....	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
Totals.....		184,697	1,764	2,610	3,025	6,101	1,294	2,995	2,496	2,212	4,108	211,102

Note.—Total length of Sewers 211,102 feet, or 40.00 miles; 2.4 miles of which are owned and controlled by the Commonwealth of Massachusetts, but by an Act of the Legislature, Melrose is permitted to use in the same manner as the local sewers.

SEWER CONSTRUCTION—1913.

Street	Location	Pipe		Number of M. Hs.	Cost
		Size Inches	Length Feet		
Corey Place.....	Extension Southerly.....	6	200	1	\$318.52
Ellwood Road.....	Nowell Road, Westerly.....	6	170	1	802.96
Holland Road.....	Extension Westerly.....	6	416	2	952.86
Lincoln Street.....	Extension Southerly.....	6	156	1	1,067.84
Lynde Avenue.....	Wyoming Avenue to Glen Road.....	6	490	2	796.57
Martin Street.....	Land Damages 1913.....				150.00
Stevens Road.....	Perkins Street, Northerly.....	6	200	1	433.66
Warwick Road.....	Perkins Street, Easterly.....	6	420	2	1,411.58
Warwick Road.....	Low pt. Easterly.....	6	244	2	
Warwick Road.....	Low pt. Westerly.....	6	242	3	
Warwick Road.....	Stevens Road, Westerly.....	6	68		
Dyer Avenue.....	Right of Way to Warwick Road.....	6	368	1	5,283.52
Stevens Road.....	Warwick Road, Southerly.....	6	350	1	
Right of Way.....	Orris Street to Dyer Avenue.....	6	494	5	
Wyoming Avenue, East.....	Extension Easterly.....	6	6		263.95
Washington Street.....	Trenton Street, Northerly.....	8	224	1	731.48
Sundry Items.....					479.82
Am't Due Surface Drainage Construction.....					250.55
Total.....			4,108	23	\$12,943.31

Maintenance.

Appropriation	\$1,500.00	
Paid from highway division	35 66	
Stock due sewer construction	26.24	\$1,561.90

Expended.

Cleaning catch-basins	\$1,061.16	
Repairs	16.09	
Cleaning brooks	159.91	
Cleaning and repairing drains	296.96	
Stock and tools	27.78	\$1,561.90

**SUMMARY OF IMPROVED SURFACE DRAINAGE CON-
STRUCTED TO JANUARY 1, 1914.**

8 inch Akron Pipe	646	lin. ft.	
10 " " "	1,464	" "	
12 " " "	17,639	" "	
15 " " "	14,352	" "	
16 " Iron Pipe	284	" "	
18 " Akron Pipe	5,447	" "	
20 " Iron Pipe	120	" "	
20 " Akron Pipe	4,162	" "	
24 " " "	1,460	" "	
Brick conduit	659	" "	
Concrete conduit	8,894	" "	
No. of concrete culverts	4	" "	
No. of manholes	268	" "	
No. of catch-basins	450	" "	
Cost of System to Jan. 1, 1914 . .			\$153,589.66
Construction 1913			9,836.49
Cost of System to Jan. 1, 1914 . .			\$163,426.15

SURFACE DRAINAGE CONSTRUCTION—1913.

Street	LOCATION	Size Inches	Length Feet	Material	No. of M. Hs.	No. of C. Bs.	Cost
Auburn Street.....	at Melrose Street.....					1	\$77.37
Briggs Street.....	near Sargent Street.....					1	32.03
Beech Avenue.....	At Lebanon Street.....					1	80.43
Boardman Avenue.....	Right of Way to Brook.....	18	176	Akron			305.55
Chester Street.....	Brook to Florence Street.....	12	106	"		1	157.76
Emerson St., W.....	R.R. to Vinton Street.....	12	306	"	1	1	584.28
Essex Street.....	Willow Street, North.....	12	350	"	2	3	902.93
Everett Street.....	At Bartlett Street.....					2	136.44
Florence Street.....	Near W. Foster Street.....					1	59.54
Folsom Avenue.....	At Low Point.....					2	44.40
Forest Street.....	Near Hopkins Street.....					1	77.03
Foster St., W.....	Near Main Street.....					1	58.51
Main Street.....	At Sylvan Street.....	20	38	Akron			100.85
Main Street.....	Sylvan St., North.....	18	446	"	3	4	1,184.02
Main Street.....	Sylvan Street, North.....	15	562	"	2	2	1,491.55
Main Street.....	Sylvan Street, North.....	12	292	"	1	2	774.97
Main Street.....	North of Essex Street.....					6	529.16
Main Street.....	Grove Street to Lynde Street.....	15	412	Akron	1	3	1,096.30
Myrtle Street.....	Essex Street, South.....	12	44	"		2	84.64
Perkins Street.....	West Side.....	18	150	"			263.39
Right of Way.....	Orris Street to Dyer Avenue.....	10	238	"			223.56
Sylvan Street.....	Main Street, East.....	12	24	"		1	63.70
Sundry.....							78.34
Tremont Street.....	At Melrose Street.....						62.43
Tremont Street.....	North of Lynn Fells Parkway.....					1	45.44
Walton Park.....	Low pt. to South Avenue.....	15	186	Akron	1		531.52
Willow Street.....	Cherry Street to Essex Street.....	15	330	"		2	578.25
Wyoming Ave.....	At Cleveland, Florence & Cottage Streets.....					3	212.19
Value of Surface Drainage Construction to Jan. 1, 1913.....			3,660		11	42	\$9,836.49
Total Value to Jan. 1, 1914.....							\$153,589.66

SUMMARY OF WORK DONE IN 1913.

238 ft. 10 in. pipe, 1,122 ft. 12 in., 1,490 ft. 15 in., 772 ft. 18 in., 38 ft. 20 in., 11 M. Holes, 42 C Basins.

Total Value to Jan. 1, 1914..... \$163,426.15

ENGINEERING DIVISION.**Salaries and Wages.**

Appropriation	\$3,100.00
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Expended.

Salaries as per pay rolls . . .	\$2,850.71	
Transferred to other ex- penses	200.00	3,050.71

Treasury Balance		\$49.29
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Other Expenses

Appropriation	\$325.00	
Transferred from Salaries and wages	200.00	\$525.00

Expended.

Supplies	\$252.75	
Team hire and car fares . . .	220.15	472.90

Treasury Balance		\$52.10
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SYNOPSIS OF WORK DONE.**Highway Division.**

Street lines and grades given from construction of new streets, including gutters, crossing, guard rails, etc., and record plans made of same.

Sewer Division.

Estimates have been rendered, lines and grades given, records kept of "Y" locations, plans and profiles made, and schedules for assessing all sewers constructed in 1913.

Water Division.

Estimates have been made and lines given, for water mains, constructed and relaid. For location, lengths and size of mains, see tables under "Water Division."

Surface Drainage.

Surveys, computations, and plans have been made, lines and grades given, and records kept of "Y" locations of all new work constructed in 1913.

Wyoming Cemetery.

40 lots have been surveyed, a plan of each lot made and blueprints of same furnished the Cemetery Department. Lines and grades for driveways have been given. General plan of Cemetery showing lots has been corrected to date.

Sidewalks.

Plans and profiles have been made, lengths and radii of curbing computed, work measured and schedules for assessment made.

Assessment Plans.

New buildings have been plotted. Common and private sewers constructed in 1913, and sewer assessment data recorded on plans.

Street Numbering.

All new houses have been located and numbers furnished and put on by this Department. 66 premises have been numbered; street lines and grades given to 53 abutters. Acceptance plans made of 7 streets. Plans made for 6 releases.

CLASSIFICATION OF EXPENDITURES.**Highways:—**

Comprising plans, estimates, titles, profiles, lines and grades, and all other engineering work relating to the Department.....	\$780.37
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Sewers:—

Comprising surveys, estimates, profiles, lines, grades, plans, assessments, and all other engineering work relating to sewers.....	240.53
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Surface Drainage:—

Comprising lines, grades, surveys and plans of all surface drainage work.....	191.16
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Water Works:—

Comprising lines, location of mains, plotting of new mains, etc., on city water map.....	160.58
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Street Numbering:—

Location of buildings, numbering plans and affixing street numbers on houses.....	31.55
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Street Lines and Grades for Abutters:—

Establishing lines, grades, and miscellaneous data given parties for building, etc.....	219.36
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Assessment Plans:—

Plans made and houses plotted, etc.....	80.21
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Acceptance Plans:—

Surveys and establishing grade of streets and estimates of same proposed for acceptance.....	151.11
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Office Work:—

Records of locations, indexing, calculating and general draughting.....	\$676.46
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Wyoming Cemetery:—

Comprising line and grade and lots surveyed, plans of lots made, etc.....	144.38
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Miscellaneous:—	175.00
	\$2,850.71

In conclusion I desire to express my appreciation to His Honor, the Mayor, the Board of Aldermen, and the City Officials, for courtesies extended, and to the employees of this Department for their co-operation in executing the work.

GEORGE O. W. SERVIS,

Engineer and Superintendent Public Works.

MELROSE, MIDDLESEX COUNTY, MASSACHUSETTS.

Location, 7 miles north of Boston

Population, May 1, 1913.....	16,612
Number of voters.....	3,487
Number of polls.....	4,620
Greatest extent of City north and south.....	2.44 miles
Greatest extent of City east and west.....	2.95 miles
Valuation of real estate.....	\$15,582,625.00
Valuation of personal.....	\$2,420,900.00
Tax rate per thousand.....	\$20.40

Area of City.....	3,115 acres
Land.....	3,079.50 acres
Water.....	35.50 acres
Length of public streets.....	46.67 miles
Length of private streets.....	13.66 miles
Total length of water mains.....	53.31 miles
Range of pressure on mains.....	From 100 lbs. to 23 lbs.
Total length of sewers.....	40.00 miles
Number of 200 candle power incandescent lights.....	59
Number of 40 candle power incandescent lights.....	674

Areas of Parks —

Melrose Common.....	4.4 acres
Sewall Woods Park....	9.0 “
Ell Pond Park.....	25.50 “
Pine Banks Park.....	81.7 “
Middlesex Fells.....	170.0 “
Area Wyoming Cemetery.....	43.5 “
Elevation Main Street at City Hall, 61 feet above mean low water.	

Report of Registrars of Voters

Melrose, Mass., June 29, 1914.

To His Honor the Mayor, the Board of Aldermen,

Melrose, Mass.

Gentlemen:—The Registrars of Voters held thirty-six meetings during the year 1913.

The annual meeting for the election of officers was held on March 25th, 1913, in the City Clerk's office.

Edwin L. Cragin was unanimously elected Chairman. W. DeHaven Jones served as clerk.

Check lists of the several wards were revised and 273 names were dropped reducing the number of registered voters to 3178

Upon request of the Board of Aldermen, the Registrars divided Ward seven into two precincts, making precinct 2 at the Maplewood end of the ward, for their convenience.

The check lists after revision stood as follows:

Wards . . .	1	2	3	4	5	6	7 ¹	7 ²	Totals
	414	539	427	375	417	539	394	73	3,178

The Registrars held many meetings and once a week during the month of August to certify nomination papers, and they certified over 3,000 names for the state election and over 1,300 for the city election, making about 4,500 in all.

Meetings held for registering the voters for the State election, November 4, 1913.

Tuesday, September 9th, from 7 to 10 o'clock p.m.

Friday, September 12th, from 7 to 10 o'clock p.m.

Tuesday, September 16th, from 7 to 10 o'clock p.m.

Tuesday, September 30th, from 7 to 10 o'clock p.m.

Tuesday, Oct. 7th, from 7 to 10 o'clock p.m.

Wednesday, October 15th, from 12 noon until 10 o'clock p.m. (when registration ceased.)

Male Voters.

Wards...	1	2	3	4	5	6	7 ¹	7 ²	Total
	471	579	474	407	434	577	424	86	3,452

Meetings were held for registering the voters for the municipal election to be held December 9th, 1913, as follows:

Tuesday, November 11th, from 7 to 10 o'clock p.m.
Final session.

Wednesday, November 19th, from 12 o'clock noon until 10 o'clock p.m. when registration ceased.

A special meeting was held in Ward seven precinct two, on the 15th of September, 1913, from 7 until 10 o'clock p.m., for the purpose of registering the people in the new precinct. The result of the final registration November 19th, 1913 was as follows:

Male.

Wards...	1	2	3	4	5	6	7 ¹	7 ²	Totals
Totals....	471	591	477	411	437	586	427	87	3,487

Female.

Wards...	1	2	3	4	5	6	7 ¹	7 ²	Totals
Totals....	24	35	33	67	18	37	12	8	234

Jury List for 1913**WARD ONE.**

Adams, Oscar A., 82 Greenwood Street	Bookkeeper
Allmon, William H., 71 Warwick Road	Plumber
Burns, Fred J., 50 Union Street	Driver
Carbee, Eugene E., 59 Winthrop Place	Shipper
Carpenter, George S., 41 Orris Street	Bond Salesman
Carter, Ernest, 1040 Franklin Street	Brick Mason
Crawford, John L., 27 Botolph Street	Carpets
Eldridge, Samuel E., 15 Ferdinand Street	Salesman
Furze, Frank E., 34 Rockland Street	Gilder
Glover, George E., 40 Aphorp Road	Architect
Jepson, Geo., W., 7 Perkins Street	Coal Dealer
Keeney, Howard R., 26 Chipman Avenue	Assistant Supt.
King, Edwin W., 9 Franklin Terrace	Stock Clerk
Lawrence, Lewis M., 101 Woodland Avenue	Draughtsman
Marshall, Alonzo G., 890 Franklin Street	Architect
Morse, William A., 15 Auburn Street	Secretary
Orr, Fred G., 344 Vinton Street	Wholesale Seeds
Orthman, Charles, 205 Tremont Street	Salesman
Simpson, Herbert F., 179 Melrose Street	Manager
Thorndike, Fredk. K., 60 Walton Park	Meat Salesman
Troy, Thomas F., 45 North Avenue	Manager

Tucker, Horace G., 26 York Terrace
 Twombly, Raymond S., 103 Highland avenue
 Wiswell, Joseph K., 20 Sewall Woods Road

Carpenter
 Livery
 Hardware

WARD TWO.

Barrett, Paul L., 19 Boardman Avenue
 Calkins, Fredk. W., 36 Reading Hill Avenue
 Cole, George F., 274 Franklin Street
 Crafts, Arthur G., 32 Albion Street
 Cross, Chas. H., 38 Porter Street
 Edwards,, Thomas J., 138 Bellevue avenue
 Flagg, Gardner W., 102 Melrose Street
 Gerrish, Herbert T., 20 Farwell Street
 Goodall, John M., 964 Main Street
 Guptill, Charles F., 9 Heyward Avenue
 Harris, Edward S., 60 Morgan Street
 Hobbs, Frank S., 911 Main Street
 Jackson, Arthur M., 47 Henry Avenue
 Kehoe, James E., 15 Elm Street
 Loring, Charles S., 79 Franklin Street
 McLean, Ernest A., 53 Clifford Street
 Page, Benjamin F., 1111 Main Street
 Plummer, Wm. B., 25 Sargent Street
 Porter, Stanley S., 1062 Main Street
 Price, Frederick O., 26 Nowell Road
 Robinson, Edmund, 22 Highland Avenue
 Sawtelle, Herbert W., 27 Howard Street
 Sawyer, Calvin W., 997 Main Street
 Slade, Albion K., Jr., 64 Linden Road
 Slocumb, Herbert H., 204 Green Street
 Snell, Winifred L., 7 Short Street
 Spicer, John W., 109 Green Street
 Stearns, Arlington C., 143 Rowe Street
 Taylor, Bernard E., 20 Beverly Street
 Thayer, Lester, 105 Green Street
 Towner, Warren S., 52 Batchelder Street

Grocer
 Printer
 Scenic Artist
 Meat Salesman
 Joiner
 Engraver
 Steam Fitter
 Dredging
 Inventor
 Tool Maker
 Broker
 Clerk
 Clerk
 Moulder
 Clerk
 Auto Salesman
 Salesman
 Civil Engineer
 Electrician
 Manager
 Draughtsman
 Broker
 Insurance
 Insurance
 Farmer
 Optician
 Clerk
 Druggist
 Buyer
 Foreman
 Newspaper

WARD THREE.

Allen W. Southworth, 19 Hurd Street,
 Blanchard, Oliver C., 57 Baxter Street
 Bolton, Fredk., 24 Whittier Street
 Bowden, Fredk. P., 56 Vinton Street
 Casey, Neil S., 93 Maple Street
 Chase, John T., 24 Cedar Park
 Clarke, Michael F., 39 Oakland Street
 Conant, Geo. H., 26 Prospect Street
 Curran, Robert F., 60 Cleveland Street
 Foss, Loring K., 100 Cottage Street
 Frampton, Herbert L., 169 W. Emerson Street
 Gordon, James W., 17 Circuit Street
 Hope, Clarence E., 34 Poplar Street
 Kirmes, Harry J., 164 Trencon Street
 Libbey, George E., 147 W. Wyoming Avenue
 Lucey, Dennis, Jr., 101 Sanford Street
 Martin, William H., Jr., 159 Florence Street
 Morgan, Byron G., 15 Pine Street

Editor
 Salesman
 Supt.
 Salesman
 Florist
 Hardware
 Broker
 Agent
 Teamster
 Retired
 Laundry
 Machinist
 Salesman
 Baker
 Draughtsman
 Grocer
 Chauffeur
 Bookkeeper

Nickerson, Walter H., 28 Otis Street
 Prior, Fredk. W., 159 Parkway
 Shaughnessy John J., 183 W. Wyoming Avenue
 Sturges, Dwight C., 265 W. Emerson Street
 True, George H., 62 Cutter Street
 Vogel, Ernest E., 43 Baxter Street
 Walsh, Dennis L., 48 Hurd Street
 Weiler, Harry F., 124 Vinton Street

Awnings
 Ticket Agent
 Metropolitan Park
 Artist
 Messenger
 Insurance
 Gardener
 Clerk

WARD FOUR.

Albee, Daniel C., 53 Essex Street
 Almborg, John W., 529 Lebanon Street
 Austin, Chas. H., 40 Vine Street
 Brittell, Harry, 9 Winthrop Street
 Brown, Frank H., 31 Lake Avenue
 Bush, Henry L., 23 School Street
 Coffin, Lee K., 58 Upham Street
 Davis, Geo. L., 43 E. Emerson Street
 Dowd, Daniel, 669 Main Street
 Flanders, Henry A., 93 W. Emerson Street
 Frost, Oscar F., 32 W. Emerson Street
 Hartshorn, Warren O., 47 Orient Avenue
 Hayward, Arthur H., 16 Orient place
 Hughes, James M., 75 Lincoln Street
 Lloyd, Robert J., 5 E. Emerson Street
 Reed, Horace N., 553 Lebanon Street
 Sherman, Frank J., 41 Bellevue Avenue
 Shields, Geo. F., 135 Porter Street
 Smith, Rufus W., 32 Rowe Street
 Stockbridge, Wm. D., 15 Emerson Place
 Tarbox, Ivory H., 12 W. Emerson Street
 Warren, G. Henry, 109 Myrtle Street
 Winchell, Nathaniel P., 57 Stratford Road

Painter
 Shoe Repairer
 Retired
 Carpenter
 Mill Supplies
 Sales Agent
 Clerk
 Salesman
 Rubber
 Ice
 Salesman
 Clerk
 Secretary
 Real Estate
 Grocery Clerk
 Insurance
 Publisher
 Salesman
 Automobiles
 Mill Supplies
 Builder
 Rubber
 Contractor

WARD FIVE.

Bayley, Frederick C., 3 Grundy Street
 Briry, Wm. S., E. Wyoming Avenue
 Colcord, John H. J., 16 Summer Street
 Curtis, Frank, 6 Chester Street
 Dearborn, Arthur G., 9 Glen Street
 Doucette, Jarvis, 403 Pleasant Street
 Gray, George M., 11 E. Wyoming Avenue
 Hannegan, Thos. E., 23 Crescent Avenue
 Higgins, Clark F., 41 Mount Vernon Street
 Hines, John H., 294 Washington Street
 Hopkins, Stephen M., 58 Florence Street
 Jones, Marcello B., 180 Washington Street
 Keefe, John, 412 Pleasant Street
 McKeon, Fredk. A. M., 22 Trenton Street
 McKinnon, John E., 25 Adams Street
 Morse, Howard C., 12 Bartlett Street
 Peverly, Ernest T., 66 Wyoming Avenue., E.
 Reidy, Wm. D., 241 Main Street
 Salmon, Fredk. S., 22 Russell Street
 Shumway, Willis P., 306 Main Street
 Simeone, Jas. A., W. Wyoming Avenue
 Truesdale, David E., 277 Main Street
 Whitney, Carl, 56 W. Wyoming Avenue
 Wilcox, John A. J., 25 Everett Street

Clerk
 Druggist
 Dairy Expert
 Reporter
 Assistant Supt.
 Rubber
 Lanterns
 Furniture
 Clerk
 Carpenter
 Rubber
 Salesman
 Rubber
 Steam Fitter
 Machinist
 Lumber
 Secretary
 Travelling Salesman
 Buyer
 Advertising
 Confectionery
 Retired
 Draughtsman
 Steel Engraver

WARD SIX.

Casey, Jeremiah T., 58 E. Foster Street	Machinist
Cleveland, Mayhew B., 248 First Street	Carpenter
Crocker, William D., 140 Foster Street	Salesman
Divver, Neil A., 29 Myrtle Street	Broker
Gaspey, George, 42 First Street	Retired
Grottendick, Geo. B., 230 Grove Street	Manager
Holdich, Wm T., 13 Stevens Place	Gold Beater
Holmes, Augustus L., 431 Lebanon Street	Furniture
Hoyt, Lewis C., 500 Main Street	Painter
Hurd, Harry B., 236 E. Foster Street	Architect
Jones, Rush T., 26 W. Foster Street	Newspaper
Kelley, Arthur J., 49 Upham Street	Tailor
Kiley, Michael F., 395 Upham Street	Milk
Lahey, John E., 308 E. Foster Street	Supt.
Lovejoy, Bertram E., 95 E. Foster Street	Real Estate
Manning, Geo. A., 11 Parker Street	Travelling Salesman
Marsh, Edward B., 15 Cass Street	Clerk
McCarthy, Charles E., 16 Sewall Street	Clerk
McGonigal, Patrick C., 38 Essex Street	Gardener
McLean, Geo. A., 34 Laurel Street	Merchant
Norris, Walter A. T., 136 E. Foster Street	Clerk
Philpot, Robt., 80 Dell Avenue	Contractor
Ryan, Joseph F., 21 First Street	Manager
Seaver, Walter L., 19 Highview Avenue	Collector
Sullivan, Patrick J., 19 Herbert Street	Broker
Swift, Norman, 17 Laurel Street	Salesman
Turner, William, 114 Grove Street	Gateman
Vaughn, Harry N., 65 Gooch Street	Merchant
Woodman, Howard, 110 Grove Street	Clerk

WARD SEVEN.

Bayne, David A., 52 Malvern Street	Clerk
Buckley, John J., 30 Park Street	Pattern Maker
Cartland, Chas. A., 69 Malvern Street	Silversmith
Clauson, William H., 115 Lebanon Street	Electrical Engineer
Cottier, William L., 8 Hancock Street	Polisher
Gillespie, Alex. J., 76 Beech Avenue	Commercial Traveler
Henney, Wm. R., 36 Lynde Street	Painter
Hersey, Albert A., 159 Forest Street	Contractor
Higgins, Thomas R., 23 Oak Street	Contractor
Holt, Jesse H., 124 Linwood Avenue	Clerk
Jones, Albert E., 60 Meridian Street	Carpenter
Johnson, Henry E., 84 Malvern Street	Insurance
Leslie, William, 7 Goss Avenue	Contractor
Lovett, Wallace R., 12 Fairmount Street	Cashier
Marsh, Chas. W., 32 Irving Street	Supt.
McCarty, Daniel H., 299 Lebanon Street	Stone Mason
McGeough, Henry, 2 Grove Place	Machinist
Mitchell, Guy T., 83 Whitman Avenue	Assistant Manager
Morse, Guy E., 46 Spear Street	Clerk
Nevins, Geo. E., 45 Appleton Street	Compositor
Nowell, Walter T., 80 Florence Avenue	Steamboat
Polk, Albert H., 20 Hunnewill Avenue	Carpenter
Ryan, Edward, 50 Mystic Avenue	Laborer
Somes, Ralph F., 71 Beech Avenue	Bookbinder

Spencer, Thomas, Newburyport Turnpike	Farmer
Swain, Elmer D., Waverly Avenue	Iceman
Towner, George W., 4 Swain's Pond Avenue	Ice
Trentsch, Chas., 9 Church Street	Navy Yard
Whitney, Edgar A., 50 Elliott Street	Printing Machines
Wright, Herbert E., 89 Meridian Street	Can Mfr.

Respectfully submitted

EDWIN L. CRAGIN, *Chairman.*

JOHN J. KEATING,

EDWIN J. TIRRELL,

W. DeHAVEN JONES, *Clerk.*

Registrars of Voters.

City Clerk's Report

Melrose, Mass., April 24, 1914.

To His Honor The Mayor, and the Board of Aldermen.

Gentlemen:—In accordance with the City Ordinances, I have the honor to transmit herewith the annual report of the City Clerk's Department, the same being for the municipal year ending December 31, 1913, and the payment of the same to the proper authorities.

Respectfully yours,

W. DeHAVEN JONES,
City Clerk.

Licenses and fees received in the City Clerk's Department, January 1, 1913 to December 31, 1913.

Marriage Intentions, 152 at \$1.00.....	\$152.00
Mortgages, 99 at 75 cents.....	74.25
Junk Licenses, 7 at \$10.00.....	70.00
Pool and Billiard Tables, 9 at \$5.00.....	45.00
Miscellaneous Papers.....	26.55
Auctioneers, 11 at \$2.00.....	22.00
Jobbing and Express, 20 at \$1.00.....	20.00
Gasoline Licenses, 10 at \$2.00.....	20.00
Bowling Alley Licenses, 1 at \$10.00.....	10.00
Private Detective Licenses, 1 at \$10.00.....	10.00
Releases, 32 at 25 cents.....	8.00
Hackney Carriages, 7 at \$1.00.....	7.00
Drivers' Licenses, 5 at \$1.00.....	5.00
Itinerant Musicians, 3 at \$1.00.....	3.00
Hawkers and Pedlers, 12 at 25 cents.....	3.00

\$475.80

March 21, 1913	Paid City Treasurer.....	\$19.55
April 10, 1913	“ “ “	24.00
July 24, 1913	“ “ “	164.70
Sept. 13, 1913	“ “ “	45.00
Sept. 16, 1913	“ “ “	105.80
Jan. 2, 1914	“ “ “	116.75
		\$475.80

Dog Licenses 1913.

577 Male Dogs at \$2.00.....	\$1,154.00
61 Female Dogs at \$5.00.....	305.00
	\$1,459.00
638 less fees at 20 cents each.....	127.60
	\$1,331.40

Hunters' Licenses 1913.

Number issued, 143 at \$1.00	\$143.00
Paid Fish and Game Commission:	
March 4, 1913	\$22.00
Sept. 9, 1913	23.00
Oct. 2, 1913	22.00
Oct. 17, 1913	32.00
Nov. 11, 1913	30.00
Dec. 23, 1913	14.00
	\$143.00

Report of the City Solicitor

July 6, 1914.

Hon. Oliver B. Munroe, Mayor, Melrose, Mass.

Dear Sir:—Pursuant to the requirements of the Ordinances, I have the honor to submit the following report of the Law Department for the year ending with the first Monday of March, 1914.

During said year, two suits have been instituted against the city, both arising out of accidents upon the highways. One of these cases has been disposed of by settlement out of court and the other is still pending. One case pending against the city at the beginning of the year has since been tried and disposed of. In addition there are five cases pending against the city instituted prior to the beginning of last year, all arising out of accidents upon the highways. During the year one claim against the city, arising out of a taking of land, and five claims arising out of accidents, have been settled at a total expense to the city of \$786.14

During the year sixty-eight written opinions have been submitted and a large number of oral opinions rendered in answer to inquiries of various officers, boards and committees of the city government.

Aside from the foregoing, the work of the department has embraced appearances before legislative committees, conferences with members and representatives of the Malden city government, attendance at meetings of committees of the Board of Aldermen, preparation and revision of bills to be submitted to the Legislature, ordinances and orders and numerous conferences with city officials.

Yours truly,
ARTHUR S. DAVIS,
City Solicitor.

Report of the City Auditor of the City of Melrose

To His Honor the Mayor and the Board of Aldermen:—

Gentlemen:—I have the honor to submit herewith a statement of the receipts and expenditures of the City of Melrose, beginning on the first day of January, 1913, and ending of the financial year on the thirty-first day of December, 1913, with a detailed statement of each department, a statement of assets and liabilities, a table showing the funded debt, the dates on which the notes and bonds are payable, together with a schedule of the City property.

In accordance with the requirements of Chapter 322, Acts of 1904, I have examined the several trust funds, under the control of the trustees of the public library, and find proper vouchers for, and bank books showing balances as reported by them on pages 92 to 95 of their report.

Respectfully submitted,

EDWIN C. GOULD,

City Auditor.

City of Melrose, Auditor's Office.

FINANCES.

The assessed valuation of the City, April 1, 1913, was:

Real Estate	\$15,582,625.00
Personal estate, including resident bank stock	2,420,900.00

Total valuation	\$18,003,525.00
Increase in valuation from April 1, 1912 to April 1, 1913	580,725.00

Number of dwelling houses April 1, 1913	3,611
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Number of assessed polls	4,620
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Population	16,612
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Rate of taxation per \$1,000, April
1, 1913, \$20.40, was divided as
follows, viz:

City tax	\$11.52
County tax	.66
State tax	1.56
State Metropolitan Park Tax . .	.57
State Metropolitan Sewer Tax . .	.95
State Bureau of Statistics Tax . .	.08
State Charles River Basin Tax . .	.09
Interest on Loans and Sinking Funds	4.57
Overlays	.40

\$20.40

Bonded Debt, Dec. 31, 1912	\$1,038,500.00
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Increase:

Park Loan	9,000.00
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1,047,500.00

Decrease:

Auditorium Loan Paid	3,000.00
Park Loan Paid	2,500.00
Water Loan Paid	55,000.00

\$987,000.00

Total Dec. 31, 1913.....		\$987,000.00
Total decrease.....	\$51,500.00	
Municipal and Permanent Debt..		\$61,355.40
<i>Increase:</i>		
Municipal.....	13,279.70	
Permanent.....	57,772.00	71,051.70
		\$132,407.10
<i>Payments:</i>		
Municipal.....	7,845.40	
Permanent.....	22,910.00	30,755.40
Debt Dec. 31, 1913.....		\$101,651.70
Increase.....	\$40,296.30	

CITY OF MELROSE, MUNICIPAL DEBT, DEC. 31, 1913.

Municipal Debt Notes.

Notes due in 1914.....	\$22,979.70
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Permanent Debt Notes.

Notes due in 1914.....	\$12,800.00	
“ “ “ 1915.....	20,172.00	
“ “ “ 1916.....	15,350.00	
“ “ “ 1917.....	9,050.00	
“ “ “ 1918.....	5,050.00	
“ “ “ 1919.....	4,050.00	
“ “ “ 1920.....	3,050.00	
“ “ “ 1921.....	3,050.00	
“ “ “ 1922.....	3,050.00	
“ “ “ 1923.....	3,050.00	78,672.00
Total Municipal and Permanent Debt Dec. 31, 1913.....		\$101,651.70

BONDED DEBT.**Auditorium Bonds.**

Melrose Auditorium Loan 1911, dated July 1, 1911, \$3,000 due each year, 1914 to 1916.....	\$9,000.00	
\$2,000 due each year 1917 to 1931, inclusive at 4%.....	30,000.00	39,000.00
Melrose Park Loan 1911 due Nov. 1, 1914 to 1921 at 4%, 1 Bond \$1,500 due each year, 1914 to 1915, inclusive.....	3,000.00	
1 Bond \$1,000 due each year 1916 to 1921, inclusive.....	6,000.00	
Loan of 1912 due Dec. 1, 1914 to 1921 at 4%, 1 Bond due each year.....	8,000.00	17,000.00

School House Bonds.

Melrose School House Loan, due Feb. 24, 1916, at 4%.....	200,000.00	
Due March 1, 1929, at 3½%.....	78,000.00	278,000.00

Sewer Bonds.

Melrose Sewer Loan-:

Due June 1, 1917, at 4%.....	50,000.00	
June 1, 1924, at 4%.....	100,000.00	
June 1, 1925, at 4%.....	100,000.00	
June 1, 1926, at 4%.....	50,000.00	
July 1, 1935, at 4%.....	10,000.00	
June 1, 1937, at 4%.....	10,000.00	
July 1, 1937, at 4%.....	10,000.00	
June 1, 1938, at 4%.....	10,000.00	
June 1, 1939, at 4%.....	10,000.00	
April 1, 1940, at 4%.....	10,000.00	
May 1, 1941, at 4%.....	5,000.00	
Nov. 1, 1941, at 4%.....	5,000.00	
July 1, 1942, at 4%.....	10,000.00	380,000.00

Surface Drainage Bonds.

Melrose Surface Drainage Loan

Due May 1, 1916, at 4%	5,000.00	
Nov. 1, 1916, at 4%	5,000.00	
July 1, 1917, at 4%	5,000.00	
Nov. 1, 1919, at 4%	5,000.00	
July 1, 1920, at 4%	5,000.00	
July 15, 1932, at 4%,	100,000.00	125,000.00

Water Bonds.

Melrose Water Loan:

Due March 1, 1918, at 4%	35,000.00	
Aug. 1, 1922, at 4%	10,000.00	
Feb. 1, 1923, at 4%	5,000.00	
July 1, 1925, at 4%	38,000.00	
May 1, 1914 to 1916, at 4%		
\$1,000 each year	3,000.00	
May 1, 1914 to 1920, at 4%		
\$1,000 each year	7,000.00	
July 1, 1914 to 1922, at 4%		
\$1,000 each year	9,000.00	
June 1, 1914 to 1932, at 3½%		
\$2,000 each year to 1931	37,000.00	
Nov. 1, 1913 to 1916, at 4%,		
\$1,000 each year	4,000.00	148,000.00
Total Bonded Debt		\$987,000.00

Sinking Fund.

School House Loan	182,647.79	
Sewer Loan	223,763.19	
Surface Drainage Loan	36,429.20	
Water Loan	65,454.09	508,294.27
Total Net Bonded Debt		\$478,705.73

Recapitulation of City Debt.

Municipal and Permanent Notes	\$101,651.70	
Net Bonded Debt.....	478,705.73	
Total Debt, Dec. 31, 1913.....		\$580,357.43
Increase \$18,048.99		

Debt Statement.

Total Debt, Dec. 31, 1912.....	\$562,308.44	
Increase.....	18,048.99	
		\$580,357.43
Increase Notes.....	40,296.30	
Increase Bond.....	9,000.00	
		49,296.30
Decrease Bond.....	60,500.00	
Less Sinking Funds.....	29,252.69	
Net Increase.....		31,247.31
Total Increase.....		\$18,048.99

CASH ACCOUNT FOR 1913.

For details see Treas. Report.		
Cash on hand Dec. 31, 1912...	22,966.11	
Receipts.....	1,011,786.86	
Payments.....		1,021,882.96
		1,034,752.97
Cash on hand, Dec. 31, 1913...		\$12,870.01

Treasury Acct.

Transferred from Goss Ave.	
Betterments.....	\$391.00
Cash from Sealer of Weights and Measures.....	47.54
Transfer per order 8155.....	1,519.77
Transfer Unpledged Revenue —Collected St. Betterments	429.12
	\$2,387.43

Expended.

Transferred to:

Fire Alarm Boxes. Order	
No. 7767.....	150.00
Estimation Receipts.....	3.04
Fourth of July. Order No.	
7850.....	500.00
Board of Control. Order	
Nos. 7979-8004.....	45.00
New Vaults. Order No. 7756	150.00
Fire Gong. Order No. 7999..	50.00
Estimated Receipts.....	28.00
Aldermen and other ex-	
penses. Order No. 8028...	100.00
Police Salaries and Wages.	
Order No. 8097.....	75.00
Insurance. Order No. 8034..	800.00
Police Signal Boxes. Order	
No. 8037.....	250.00
Fire Alarm Maintenance.	
Order No. 8037.....	150.00
Police Signal Box. Order No.	
8105.....	300.00
Election and Registration,	
Salaries and Wages. Or-	
der No. 8166.....	44.87
Election and Registration,	
Other Expenses. Order	
No. 8166.....	171.41
Aldermen. Other Expenses.	
Order No. 8173.....	150.00
Estimated Receipts.....	16.50
Charity Department. Order	
No. 8197.....	78.75

 3,062.57

Balance to 1914.....

675.14

 3,062.57

 \$3,062.57

LEDGER BALANCES DEC. 31, 1913.

Revenue.

Cash.....	25,561.99	
Taxes Uncollected, 1909.....	2.00	
“ “ 1910.....	5.80	
“ “ 1911.....	3,027.37	
“ “ 1912.....	46,285.54	
“ “ 1913.....	157,942.94	
Street Sprinkling Assessments	6,583.94	
Moth Assessment.....	576.16	
Sewer Assessment.....	1,580.96	
Sewer Apportioned.....	9,726.60	
Sidewalk Apportioned.....	1,766.10	
Sidewalk Assessments.....	3,068.28	
Street Betterments, Assess- ments.....	394.17	
Street Betterments, Appor- tioned.....	1,819.12	
Water Rates, Uncollected....	8,706.07	
Tax Titles.....	134.43	
Tak Takings.....	10,633.79	
Real Estate taken by City....	3,342.94	
Sewer Assessment taken by City.....	471.76	
Revenue, 1912.....		261.12
Revenue, 1913.....		4,860.30
Estimated Receipts.....		465.58
Unpledged Revenue, Moth and Street Betterment.....		916.81
Moth Assessments, Unpledged		481.90
Street Betterments Assess- ments, Unpledged.....		258.21
Sidewalk Assessments, Pledged when Collected.....		4,742.35
Street Sprinkling Assessments, Pledged when Collected....		4,837.10
Sewer Assessments, Pledged when Collected.....		1,174.70
Water Revenue.....		8,706.07

Water Income.....	5,110.72
Revenue Pledged when col- lected, 1912 and prior.....	2,474.85
Excess and Deficiencies.....	6,497.03
Overlays for Abatements, 1910 and prior.....	2,533.33
Overlays for Abatements, 1911	2,581.80
Overlays for Abatements, 1912	4,197.58
Overlays for Abatements, 1913	2,598.28
Apportioned Sewer Assess- ment, Balancing Account...	9,726.60
Apportioned Sidewalk Assess- ment, Balancing Account...	2,350.08
Apportioned Street Better- ments Assessment, Balanc- ing Acct.....	1,819.12
Temporary Loans Taxes, 1913	175,000.00
Temporary Loans, anticipating Bond issue.....	40,000.00

General Government.

Plans and Specifications, Vault	
Fixtures.....	48.95
Auditorium, other expenses...	60.65
Police Dept., Signal Boxes...	140.06
Police Dept., Order No. 8105.	
Signal Boxes.....	300.00
Police Dept., Ambulance Fund	2.11
Fire Dept., Fire Alarm Maint.	54.45
Fire Dept., Order No. 7988,	
Special Equipment.....	600.00
Health Dept., Quarantine and	
Contagious Diseases.....	49.58
Health Dept., Tuberculosis...	43.66
Highway Dept., Repairing....	.90
Highway, Order No. 7638,	
Purchase of Horses.....	132.00

Highway Dept., Street Sprinkling.....	3,643.69	
Highway, Stone Bounds.....		53.88
Charity Dept., Almshouse....		34.35
Charity Dept., Outside Relief by City.....		52.49
Soldiers' Benefit, State Aid...	2,586.00	
Soldiers' Benefit, Military Aid		121.00
Soldiers' Benefit, Soldiers' Burial.....	161.00	
Park and Garden, Salaries and Wages.....		136.53
Water Division, Maintenance..		159.56
Water Division, Inside Service		289.46
Cemetery Dept., Maintenance		2,122.99
Interest.....		356.41
Municipal Indebtedness.....		348.07
Sinking Funds.....		696.76
Treasury.....	675.14	
Fire Loss City Stable, Ins.....		1,321.46
	\$288,757.34	\$288,757.34

Non Revenue.

Non Revenue, Cash.....		12,691.98
Loans Authorized.....	46,000.00	
Auditorium Building, Construction.....		257.80
Moth, Private Work, Order No. 7674.....		38.67
Care and Maintenance of Trees. Order No. 7688.....		7.13
Private Sewers, House Connections.....		117.22
Sewer, Construction.....		3,340.26
Surface Drainage, Construction		547.34
Highway—Continuous Walks		2,939.03
Chester Street Construction		144.46
Essex Street Construction..		135.97

East Foster Street, Construction.....	113.81	
Goss Avenue, Construction..	87.14	
Hurd Street Construction...	174.75	
Main Street Construction...	9,796.42	
Mountain Avenue and Hancock Street Construction..	5,500.00	
Nowell Road Construction..	135.09	
Spear Street Construction...	4,748.92	
Stratford St. Construction..	102.98	
East Wyoming Ave. Construction.....	76.51	
School, Inside Curb., Upham St.....	600.00	
School, Inside Walk, High School.....	900.00	
Parks, Acquiring and Grading Land.....	375.75	
Parks, Improvement Ice-House Site.....	.27	
Water Construction.....	2,367.05	
Tailing Acct.....	200.95	
Cemetery Trust Funds, uninvested.....	473.30	
Main St. Loan Premium Fund.	127.50	
	\$46,000.00	\$46,000.00

Indebtedness.

Sewer Sinking Fund	
Commissioners.....	223,763.19
Surface Drainage Sinking Fund	
Commissioners.....	36,429.20
School Sinking Fund Commissioners.....	182,647.79
Water Sinking Fund Commissioners.....	65,454.09
Net Bonded Debt Bonding Acct.....	607,284.21

Municipal Loan, 1 year	13,279.70	
Municipal Loan, over 1 year . . .	88,372.00	
Auditorium Bonds	39,000.00	
Park Bonds	17,000.00	
School Bonds	278,000.00	
Sewer Bonds	380,000.00	
Surface Drainage Bonds	125,000.00	
Water Bonds	148,000.00	
Perpetual Care Funds, used . . .	25,596.80	
E. Toothaker Funds, used . . .	1,329.98	
	1,115,578.48	1,115,578.48

Trust Funds.

Trust Funds Acct.	32,493.48	
Cemetery Trust Funds		31,163.50
E. Toothaker Trust Funds . . .		1,329.98
	32,493.48	32,493.48

Recapitulation.

Revenue	288,757.34	288,757.34
Non-Revenue	46,000.00	46,000.00
Indebtedness	1,115,578.48	1,115,578.48
Trust Funds	32,493.48	32,493.48
	\$1,482,829.30	\$1,482,829.30

ASSETS AND LIABILITIES.**Assets.**

To amount invested in land, buildings, parks and other property	1,058,953.40
To amount invested in Sinking Funds	508,294.27
To amount invested in Sewer System	456,714.83
To amount invested in Surface Drainage	163,425.85
To amount invested in Water System	443,425.12

Liabilities.

Municipal Indebtedness:		
Bonds.....		987,000.00
Notes.....		101,651.70
Trust Funds.....		32,493.48
		\$1,121,145.18
Assets exceed liabilities.....		1,509,668.29
	\$2,630,813.47	\$2,630,813.47

REVENUE.

Taxes of 1909—Balance Dec.		
31, 1912.....		\$2.00
Taxes of 1910—Balance Dec.		
31, 1912.....		2,887.50
Collected in 1913.....	2,120.42	
Abatements in 1913.....	166.19	
Takings transferred.....	163.44	
City Possessions transferred.	431.65	2,881.70
Bal. Dec. 31, 1913.....		5.80
Taxes of 1911, Balance.....		
Collected in 1913.....	31,522.87	43,093.99
Abatements in 1913.....	524.42	
Takings transferred.....	8,019.33	40,066.62
Bal. Dec. 31, 1913.....		\$3,027.37
Taxes of 1912, Balance.....		
Additional.....		160,123.80
		261.12
		160,384.92
Collected in 1913.....	111,903.83	
Abatements.....	2,195.55	114,099.38
Balance Dec. 31, 1913....		\$46,285.54

AUDITOR'S REPORT

191

Taxes of 1913, Warrant.....		376,511.91
Additional.....		4,860.34
		381,372.25
Collected.....	218,710.69	
Abatements.....	4,718.62	223,429.31
Balance Dec. 31, 1913...		\$157,942.94

STREET WATERING ASSESSMENTS

1910, Balance uncollected Dec. 31, 1912.....		136.66
Cash collected.....	33.16	
Takings.....	1.80	34.96
Balance Dec. 31, 1913..		101.70
1911, Balance Dec. 31, 1912...		899.34
Collected.....	662.09	
Takings.....	207.91	870.00
Balance.....		\$29.34
1912, Balance Dec. 31, 1912...		4,496.70
Collected.....		2,880.90
Balance.....		\$1,615.80
1913, Warrants.....		9,915.87
Collected.....		5,078.77
Balance.....		\$4,837.10

MOTH ASSESSMENTS.

1910, Balance Dec. 31, 1912...	\$5.00
Collected.....	5.00

1911—Balance Dec. 31 1912..		\$261.97
Collected.....	\$180.27	
Takings.....	33.90	214.17
Balance Uncollected.....		\$47.80
1912—Balance Dec. 31, 1912..		94.35
Collected.....		47.89
Balance uncollected.....		\$46.46
1913—Warrant.....		1,211.37
Collected.....		729.47
Balance uncollected.....		481.90

SEWER ASSESSMENTS.

1908—Balance Dec. 31, 1912 and 1913.....		\$19.04
1910—Balance Dec. 31, 1912 and 1913.....		50.25
1911—Balance Dec. 31, 1912..		249.33
Collected.....		175.35
Balance uncollected.....		73.98
1912—Balance Dec. 31, 1912..		\$774.44
Collected.....		511.45
Balance uncollected.....		\$262.99
1913—Warrant.....		2,102.48
Less apportioned.....		1,574.18
		\$528.30
Collected.....		278.66
Balance uncollected.....		\$249.64

Apportioned Sewer Assessments.

1913—Balance Dec. 31	\$1,508.83
Collected	583.77
Balance uncollected	\$925.06
1914—Balance Dec. 31, 1912 . .	3,362.98
Additional—1913	157.42
	\$3,520.40
Collected	25.17
Balance	\$3,495.23
1915—Balance	1,456.97
Additional—1913	157.42
	\$1,614.39
Collected	20.67
Balance	\$1,593.72
1916—Balance	1,073.06
Additional—1913	157.42
	\$1,230.48
Collected	152.58
Balance	\$1,177.90
1917—Balance	747.28
Additional—1913	157.42
	\$904.70
Collected	20.67
Balance	\$884.03

1918—Balance	686.68
Additional—1913	157.42
	\$844.10
Collected	20.67
Balance	\$823.43
1919—Balance	686.61
Additional—1913	157.42
	\$844.03
Collected	20.72
Balance	\$823.31
1920—Balance	274.23
Additional	157.42
Balance	\$431.65
1921—Balance	117.15
Additional—1913	157.42
Balance	\$274.57
1922—Balance	7.94
Additional—1913	157.42
Balance	\$165.36
1923—Assessment 1913	157.40

SIDEWALK ASSESSMENTS.

1910—Balance	\$4.91
1911—Balance	435.24
Collected	357.33
Balance	\$77.91

1912—Balance	1,355.46
Collected	764.14
Balance	\$591.32
1913—Warrant	4,476.84
Collected	3,472.14
Balance	\$1,004.70

Apportioned Sidewalks

1913—Balance	\$1,497.11
Additional—1913	555.08
	\$2,052.19
Collected	662.75
Balance	\$1,389.44
1914—Balance	765.59
Additional—1913	553.66
	\$1,319.25
Collected	27.36
	\$1,291.89
1915—Additional 1913	474.21

STREET BETTERMENTS ASSESSMENTS.

1912—Balance Dec. 31, 1912 ..	\$378.51
Collected	242.55
Balance	\$ 135.96
1913—Balance	444.78
Collected	186.57
Balance	\$258.21

1914—Balance 1912—1913	431.35
1915 " " " 	355.72
1916 " " " 	291.56
1917 " " " 	164.43
1918 " " " 	164.44
1919 " " " 	158.31
1920 " " " 	126.48
1921 " " " 	126.83

WATER RATES 1911 AND PRIOR.

Balance Dec. 31, 1912.	\$1,360.85
Collected.	18.13
Balance.	\$1,342.72
1912—Balance.	7,790.52
Collected.	7,288.00
Balance.	\$502.52
1913—Assessment in 1913. . . .	44,253.96
Collected.	37,393.13
Balance.	\$6,860.83

TAX TITLES.

Balance Dec. 31, 1912.	\$134.43
No Collections	

Tax Takings.

Balance Dec. 31, 1912.	\$6,063.90
Additional in 1913.	8,426.38
Collected	14,490.28
Balance.	\$10,633.79

Real Estate Taken by City.

Balance	\$3,015.24	
Additional 1913	431.65	
	\$3,446.89	
Collected	103.95	
Balance	\$3,342.94	

Sewer Assessment Takings.

Balance	\$471.76
No Collection	

COMMONWEALTH OF MASSACHUSETTS.**Military and State Aid and Soldiers' Burial.**

Balance	\$2,958.00	
Pay Rolls Military Aid	2.50	
Pay Rolls, State Aid	2,586.00	
Soldiers' Burial	161.00	
	\$5,707.50	
Cash Received	2,958.00	
Balance due	\$2,749.50	
Payable November, 1914		

GRANTS AND GIFTS.

Middlesex County Dog Tax...		\$1,257.70	
Middlesex County Perkins St.		753.62	
Transferred to:			
Estimated Receipts	\$1,257.70		
Sundries Accounts, Order			
No. 8054	753.62		
	\$2,011.32		\$2,011.32

ESTIMATED RECEIPTS.

Licenses—all other.....	\$515.75
Permits—all other.....	51.50
Permits—Marriages.....	152.00
Court Fees.....	226.26
Treasurer.....	9.00
Fire Dept.....	24.00
Collector.....	1,594.48
City Clerk.....	91.30
City Hall.....	1,405.00
City Auditorium.....	2,309.01
Health Dept.....	345.42
Sealer of Weights and Measures	47.54
Charity Dept.....	1,165.23
Charity Almshouse.....	1,001.03
Schools.....	2,057.49
Cemetery.....	7,132.35
County Dog Tax.....	1,257.70
Water Income.....	10,500.00
Cemetery.....	3,600.00
Bank and Corporation Tax...	23,547.22

Expended.**Budget:**

Bank and Corporation..... *	\$26,300.00
Collector's Receipts.....	1,400.00
City Clerk, Receipts.....	450.00
Water Receipts.....	10,500.00
City Hall Receipts.....	1,000.00
City Auditorium Receipts...	1,500.00
Charity Dept. Receipts.....	1,000.00
School Dept. Receipts.....	1,000.00
County Dog Tax.....	1,257.50
Court Fees.....	100.00
Health Dept.....	200.00
Cemetery Dept.....	6,500.00
Cemeteries Impd.....	3,600.00

Order:

Auditorium, Salaries and		
Wages	500.00	
Treasurer, other expenses . . .	9.00	
Health	175.00	
Election, other expenses . . .	350.00	
City Hall, Rep. on Roof . . .	150.00	
Charity, Milk Inspection and		
Relief by other Cities . . .	425.00	
Collector, other expenses . . .	150.00	
Balance to Municipal In-		
debtedness	465.58	
	\$57,032.28	\$57,032.28

INSURANCE FIRE LOSS CITY STABLES.

Receipts.

Cash from Income	\$7,141.88
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Expended.

Transferred to Highway Rep. . .	\$5,820.42	
Balance to 1914	1,321.46	
	\$7,141.88	\$7,141.88

WATER INCOME.

Receipts.

Balance	\$1,832.97
Income from Water Rates	\$44,878.61
Summons	80.40

Expended.

Paid Coupons.....	\$8,162.50	
Paid Discount on Loans.....	246.70	
Cash Refunded.....	87.20	
Paid State Treasurer.....	22,684.86	
Transferred to Water Maintenance Budget.....	10,500.00	
Balance to 1914.....	5,110.72	
	\$46,791.98	\$46,791.98

Departmental, General Government.**ALDERMEN—SALARIES AND WAGES.****Receipts.**

Appropriation.....	\$600.00
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Expended.

Clerk of Committee.....	\$600.00	
	\$600.00	\$600.00

OTHER EXPENSES.**Receipts.**

Balance.....	\$8.55
Appropriation.....	300.00
Transferred from Treasury...	250.00

Expended.

Bills paid—Inaugural and carriage hire.....	\$162.61
Books and Stationery.....	34.10
Printing Particular Account...	44.25

Advertising, Postage, Printing, and Posting Notices.....	199.84	
Miscellaneous.....	54.68	
Transferred to Treasury.....	63.07	
	\$558.55	\$558.55

MAYOR—SALARIES AND WAGES.

Receipts.

Balance.....	\$6.34
Appropriation.....	1,300.00

Expended.

Salary of Mayor.....	\$1,000.00	
Salary of Clerk.....	300.00	
Transferred to Treasury.....	6.34	
	\$1,306.34	\$1,306.34

OTHER EXPENSES.

Receipts.

Balance.....	\$3.56
Appropriation.....	140.00

Expended.

Printing Inaugural.....	\$30.00	
Stationery, Ptg. and Postage..	23.10	
Telephone.....	38.85	
Miscellaneous.....	19.00	
Transferred to Treasury.....	32.61	
	\$143.56	\$143.56

AUDITOR—SALARIES AND WAGES.**Receipts.**

Appropriation	\$500.00
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Expended.

Salary of Auditor	\$500.00	
	\$500.00	\$500.00

OTHER EXPENSES.**Receipts.**

Balance	\$13.72
Appropriation	60.00

Expended.

Books and Stationery	\$22.21	
Postage and Printing	7.50	
Miscellaneous	7.40	
Transferred to Treasury	36.61	
	\$73.72.	\$73.72

TREASURER—SALARIES AND WAGES.**Receipts.**

Appropriation	\$1,920.00
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Expended.

Salary of Treasurer	\$1,200.00	
Salary of Clerk	720.00	
	\$1,920.00	\$1,920.00

OTHER EXPENSES.**Receipts.**

Balance	\$35.21
Appropriation	400.00
Sale of Desk	9.00

Expended.

Official Bond	\$120.00	
Carriage Hire, Pay Days	42.00	
Stationery, Ptg. and Postage ..	140.91	
Telephone	22.83	
Furniture and Repairs	42.00	
Miscellaneous	41.23	
Transferred to Treasury	35.24	
	\$444.21	\$444.21

COLLECTOR—SALARIES AND WAGES.**Receipts.**

Balance	\$3.36
Appropriation	2,120.00
Transf'd from other expenses ..	1.67

Expended.

Salary of Collector	\$1,000.00	
Salary of Clerk	1,121.67	
Transferred to Treasury	3.36	
	\$2,125.03	\$2,125.03

OTHER EXPENSES.**Receipts.**

Balance	\$2.54
Appropriation	1,030.00
Transferred from Estimated Receipts	500.00
	\$1,532.54

Expended.

Official Bond	\$125.00	
Advertising	350.55	
Attorney, preparing Notices of Takings and Deeds	108.00	
Distributing Tax Bills	60.00	
Recording Takings	261.10	
Summons and Demands	66.15	
Stationery, Printing, Postage, etc	444.46	
Telephone	28.87	
Miscellaneous	5.99	
Transferred to Salaries and Wages	1.67	
Transferred to Treasury	80.74	
	\$1,532.54	\$1,532.54

ASSESSORS—SALARIES AND WAGES.**Receipts.**

Appropriation	\$2,050.00
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Expended.

Salaries of Assessors and As- sistants	\$1,050.00	
Salaries of Clerk	\$1,000.00	
	\$2,050.00	\$2,050.00

OTHER EXPENSES.**Receipts.**

Appropriation	\$700.00
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Expended.

Books, Stationery, Printing and Binding	\$351.65
Abstracts of Deeds and Trans- fers	22.50

Copying.....	76.92	
Postage, Car Fares and Car- riages.....	99.80	
Telephone and Posting Notices	21.98	
Miscellaneous.....	127.15	
	700.00	700.00

OTHER FINANCIAL OFFICES.

Receipts.

Appropriation.....	\$200.00
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Expended.

Salary of Treasurer of Sinking Fund Commissioners.....	\$200.00	
	\$200.00	\$200.00

CERTIFICATION OF BONDS AND NOTES.

Receipts.

Balance.....	\$22.27
Appropriation.....	500.00
Main Street Premium Fund...	75.00

Expended.

Old Colony Trust Co., for cer- tificate.....	\$561.90	
Transferred to Treasury.....	35.37	
	\$597.27	\$597.27

CITY CLERKS—SALARIES AND WAGES.

Receipts.

Appropriation.....	\$1,800.0
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Expended.

Salary of Clerk.....	\$1,200.00	
Salary of Asst. Clerk.....	600.00	
	\$1,800.00	\$1,800.00

OTHER EXPENSES.**Receipts.**

Appropriation.....	\$230.00
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Expended.

Official Bond.....	\$5.00	
Stationery, Postage, Printing, and Car Fares.....	128.42	
Telephone.....	70.88	
Miscellaneous.....	25.70	
	\$230.00	\$230.00

LAW—SALARIES AND WAGES.**Receipts.**

Appropriation.....	\$800.00
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Expended.

Salary of City Solicitor.....	\$800.00	
	\$800.00	\$800.00

OTHER EXPENSES.**Receipts.**

Balance.....	\$9.73
Appropriation.....	25.00

Expended.

Car Fare and Telephone.....	\$0.50	
Stationery.....	3.50	
Serving Notices.....	1.64	
Transferred to Treasury.....	29.09	
	\$34.73	\$34.73

ELECTION AND REGISTRATION—SALARIES AND**WAGES.****Receipts.**

Appropriation.....	\$800.00
Transferred from Treasury....	116.93
Loans Authorized.....	675.00

Expended.

Overdraft, 1912.....	\$72.06	
Salaries of Registrars.....	383.32	
Salaries of Election Officers...	1,002.00	
Salaries of Police Officers.....	66.00	
Salaries of Police Officers, State elec'n.	38.55	
Salaries of Tellers.....	30.00	
	\$1,591.93	\$1,591.93

OTHER EXPENSES.**Receipts.**

Balance.....	\$35.44
Appropriation.....	900.00
Transferred from Treasury....	171.41

Expended.

Stationery and Postage.....	\$167.83
Advertising and Printing.....	496.41
Clerical Service and Labor....	153.90

Fuel and Lights.....	10.82	
Meals.....	3.20	
Rent.....	180.00	
Miscellaneous.....	54.75	
Transferred to Treasury.....	39.94	
	\$1,106.85	\$1,106.85

PUBLIC WORKS OFFICE—SALARIES AND WAGES.

Receipts.

Appropriation.....	\$2,700.00
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Expended.

Salary of Engineer and Supt. of Public Works.....	\$2,000.00	
Salary of Clerk.....	650.00	
Transferred to Treasury.....	50.00	
	\$2,700.00	\$2,700.00

OTHER EXPENSES.

Receipts.

Appropriation.....	\$550.00
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Expended.

Printing, Stationery and Office Supplies.....	\$199.57	
Postage and Box Rents.....	24.00	
Telephone.....	29.47	
Miscellaneous.....	30.45	
Board and Care of Horses, etc	364.00	
Transferred to Treasury.....	2.51	
	\$650.00	\$650.00

ENGINEERING—SALARIES AND WAGES.

Balance	\$571.66
Appropriation.....	3,100.00

Expended.

Pay Rolls.....	\$2,850.71	
Transf'd to Other Expenses...	200.00	
Transferred to Treasury.....	620.95	
	\$3,671.66	\$3,671.66

OTHER EXPENSES.**Receipts.**

Balance	\$18.35
Appropriation.....	325.00
Transferred from Salaries and Wages.....	200.00

Expended

Stationery and Printing.....	\$13.00	
Supplies and Repairs.....	236.90	
Horse Hire, etc.....	220.15	
Miscellaneous.....	3.85	
Transferred to Treasury.....	69.45	
	\$543.35	\$543.35

CITY HALL—SALARIES AND WAGES.**Receipts.**

Balance	\$28.57
Appropriation.....	1,400.00
Transf'd from Other Expenses	90.00

Expended.

Pay Rolls—Janitors'	\$1,292.65	
Transf'd to Other expenses . . .	98.96	
Transferred to Treasury	126.96	
	\$1,518.57	\$1,518.57

OTHER EXPENSES.**Receipts.**

Balance	\$48.55
Appropriation	2,000.00
Transferred from Salaries and Wages	98.96

Expended.

Fuel and Lights	\$1,617.40	
Janitors' Supplies	99.83	
Furniture, Furnishings and Repairs	127.48	
Moving Piano	33.00	
Miscellaneous	131.25	
Transferred to Salaries and Wages	90.00	
Transferred to Treasury	48.55	
	\$2,147.51	\$2,147.51

CITY HALL—REPAIRS OF ROOF.**Receipt.**

Transferred from Estimated Receipts	\$150.00
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Expended.

Stock and Labor	\$124.64	
Transferred to Treasury	25.36	
	\$150.00	\$150.00

PLANS AND SPECIFICATIONS FOR NEW VAULT FIXTURES.

Receipts.

Transferred from Treasury....	\$150.00
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Expended.

Advertising.....	\$1.05	
Fixtures.....	100.00	
Transferred to Treasury.....	48.95	
	\$150.00	\$150.00

AUDITORIUM—SALARIES AND WAGES.

Receipts.

Appropriation.....	\$1,080.00
Transferred from Estimated Receipts.....	200.00

Expended.

Pay Rolls—Janitors' and Help	\$1,066.19	
Transferred to Treasury.....	213.81	
	\$1,280.00	\$1,280.00

OTHER EXPENSES.

Receipts.

Appropriation.....	\$1,000.00
Transferred from Estimated Receipts.....	300.00

Expended.

Fuel and Lights.....	\$895.70	
Janitors' Supplies.....	61.18	
Furniture, Furnishings and Repairs.....	77.57	
Hardware and Supplies.....	32.66	
Moving Piano.....	2.50	
Labor.....	84.97	
Miscellaneous.....	191.57	
Transferred to Highways.....	10.50	
Transferred to Sewer Construc- tion.....	4.00	
Overdraught to 1914.....		60.65
	\$1,360.65	\$1,360.65

POLICE DEPARTMENT—SALARIES AND WAGES.**Receipts.**

Balance.....	\$307.54
Appropriation.....	17,383.00
Transferred from Equipment and Repairs.....	100.00
Transferred from Treasury...	75.00

Expended.

Pay Rolls.....	\$17,547.88	
Transferred to Police Signal Box.....	300.00	
Transferred to Treasury.....	17.66	
	\$17,865.54	\$17,865.54

Horses and Care of Same.**Receipts.**

Balance.....	\$28.05
Appropriation.....	425.00

Expended.

Board and Hire.....	\$360.00	
Shoeing.....	43.30	
Transfer to Treasury.....	49.75	
	\$453.05	\$453.05

Equipment and Repairs.**Receipts.**

Balance.....	\$9.83
Appropriation.....	400.00

Expended.

Equipment for Men.....	\$64.22	
Repairs on Vehicles and Har- nesses.....	41.71	
New Harness.....	60.00	
Typewriter.....	90.00	
	\$255.93	
Transfer to Salaries and Wages.....	100.00	
Transfer to Treasury.....	53.90	
	\$409.83	\$409.83

Other Expenses.**Receipts.**

Balance.....	\$22.77
Appropriation.....	300.00

Expended.

Printing, Stationery, Postages and Supplies.....	\$81.10
Meals and Medical attendance for Prisoners.....	49.11

Telephone	120.01	
Miscellaneous	48.95	
Transfer to Treasury	23.60	
	\$322.77	\$322.77

Police Signal Boxes.

Receipts.

Appropriation	\$50.00
Transferred from Salaries and Wages	300.00
Transferred from Treasury	250.00
Cash from American Steel & Wire Co.	9.72

Expended.

American Steel Wire & Co.	\$81.76	
Gamwell Fire Alarm Tel. Co.	169.05	
Pettengill, Andrew & Co.	76.11	
Batteries	11.88	
Horse Hire	43.00	
Labor	61.55	
Miscellaneous	12.90	
	\$456.25	
Transferred to Treasury	13.41	
Balance to 1914	140.06	
	\$609.72	\$609.72

Police Signal Box, Order No. 8105.

Receipts.

Transferred from Treasury	\$300.00
Balance to 1914	\$300.00
	\$300.00

Police Ambulance.**Receipts.**

Balance.....	\$3.11
Cash for use of Ambulance....	22.00

Expended.

Hire of Horse.....	\$6.00	
Services of Men with Amb l'nce	2.00	
Repairs.....	15.00	
Balance to 1914.....	2.11	
	\$25.11	\$25.11

FIRE DEPARTMENT.**Salaries and Wages.****Receipts.**

Balance.....	\$35.05
Appropriation.....	14,000.00

Expended.

Pay Rolls.....	\$13,999.97	
Transferred to other expenses	17.09	
Transferred to Treasury.....	17.99	
	\$14,035.05	\$14,035.05

Horses and Care of Same.**Receipts.**

Balance.....	\$1.09
Appropriation.....	1,475.00

Expended.

Hay and Grain.....	\$1,097.76
Shoeing.....	228.31
Veterinary.....	23.75

Miscellaneous	4.60	
Transferred to Fuel and Light	100.00	
Transferred to Treasury	21.67	
	\$1,476.09	\$1,476.09

Fuel and Lights**Receipts.**

Balance		\$8.37
Appropriation		650.00
Transferred from Horses and Care		100.00

Expended.

Coal and Wood	\$444.05	
Electric and Gas	112.63	
Gasoline and Oil	92.98	
Miscellaneous	48.18	
Repairs	50.75	
Transferred to Treasury	9.78	
	\$758.37	\$758.37

Equipment and Repairs.**Receipts.**

Balance		\$7.53
Appropriation		450.00
Cash Sale of Horse		475.00
Cash Sale of Wagon and Har- ness		125.00

Expended.

Equipments	\$412.87	
Repairs on Apparatus	24.68	
Miscellaneous	5.19	
Transferred to Special Order No. 7988	600.00	
Transferred to Treasury	14.79	
	\$1,057.53	\$1,057.53

Repairs on Buildings.**Receipts.**

Balance	\$7.94
Appropriation	150.00

Expended.

Repairs	\$147.60	
Transferred to Treasury	10.34	
	\$157.94	\$157.94

Other Expenses.**Receipts.**

Balance	\$1.25
Appropriation	400.00
Transferred from Salaries and Wages	17.09

Expended.

Printing, Stationery and supplies	\$246.97	
Furniture, Bedding and Laundry	65.37	
Telephone	105.99	
Transferred to Treasury	.01	
	\$418.34	\$418.34

Special Account—Equipment and Repairs.

Transferred from Equipment and Repairs	•	\$600.00
Balance to 1914	\$600.00	

Fire Alarm Maintenance.**Receipts.**

Balance	\$3.43
Appropriation	800.00
Transferred from Treasury	150.00
Transferred from Fire Alarm Boxes	11.34

Expended.

Pay Roll, Salary of Electrician	\$548.11	
Supplies	202.32	
Electric Power	35.16	
Repairs	113.32	
Miscellaneous	7.98	
Transfer to Treasury	57.88	
	\$964.77	\$964.77

Fire Alarm Boxes.**Receipts.**

Transferred from Treasury, Order No. 7744	\$100.00
Transferred from Treasury, Order No. 7767	150.00

Expended.

Gamwell F. A. Co. 2 Boxes	\$150.80	
Stock and Labor Installing . . .	74.59	
Expressage	2.75	
Transferred to Fire Alarm Maintenance	11.34	
Transferred to Treasury	10.52	
	\$250.00	\$250.00

Repairs to Gong.**Receipts.**

Transferred from Treasury	\$50.00
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Expended.

Repairs	\$44.97	
Transferred to Treasury	5.03	
	\$50.00	\$50.00

INSPECTION**Inspection of Buildings—Salaries and Expenses.****Receipts.**

Appropriation	\$325.00
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Expended.

Salary	\$300.00	
Printing and Stationery	25.00	
	\$325.00	\$325.00

Inspector of Wires—Salary and Expenses.**Receipts.**

Balance	\$0.16
Appropriation	365.00

Expended

Salary	\$300.00	
Postage, Stationery, etc.	\$30.71	
Telephone	16.94	
Miscellaneous	9.85	
Transferred to Treasury	7.66	
	\$365.16	\$365.16

Sealer of Weights and Measures.

Receipts.

Balance	\$91.45
Appropriation	680.00

Expended.

Salary	\$600.00	
Postage, Stationery, etc.....	32.85	
Weights and Measures.....	15.56	
Office Desk.....	10.00	
Miscellaneous.....	18.95	
Transferred to Treasury.....	94.09	
	\$771.45	\$771.45

BOARD OF CONTROL.

Receipts.

Transferred from Treasury....	\$45.00
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Expended.

Badges.....	\$30.00	
Postage, Printing, etc.....	13.85	
Transferred to Treasury.....	1.15	
	\$45.00	\$45.00

FORESTRY.

Brown Tail and Gypsy Moth.

Receipts.

Balance.....	\$11.15
Appropriation.....	1,750.00
Transferred from Moth Assess- ment Unpledged.....	48.22

Expended.

Pay Roll.....	\$1,478.80	
Printing, Stationery, etc.....	71.98	
Insurance.....	62.40	
Material, Tools and Supplies..	64.81	
Rent.....	35.00	
Repairs.....	72.05	
Miscellaneous.....	9.25	
Transferred to Treasury.....	15.08	
	\$1,809.37	\$1,809.37

Other Insect Pests, No. 7667.**Receipts.**

Balance.....	\$5.00
Appropriation.....	500.000

Expended.

Pay Rolls.....	\$493.89	
Advertising.....	3.00	
Transferred to Treasury.....	8.11	
	\$505.00	\$505.00

Care of Trees.**Receipts.**

Appropriation.....	\$700.00
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Expended.

Pay Rolls.....	\$563.48	
Teams, Stock and Labor.....	134.64	
Transfer to Treasury.....	1.88	
	\$700.00	\$700.00

DOG OFFICERS.**Receipts.**

Cash from County Treasury . . .		\$21.00
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Expended.

Paid Officers for Killing Dogs . .	\$21.00	
	\$21.00	\$21.00

HEALTH AND SANITATION.

(See Health Report for Details)

General Administration.**Receipts.**

Balance		\$60.25
Appropriation		1,200.00
Cash Refunded		.62

Expended.

Salaries and Bills Paid	\$1,136.36	
Transferred to Treasury	124.51	
	\$1,260.87	\$1,260.87

Quarantine and Contagious Hospitals.**Receipts.**

Balance		\$326.25
Appropriation		1,000.00

Expended.

Bills Paid	\$950.42	
Transferred to Treasury	326.25	
Balance to 1914	49.58	
	\$1,326.25	\$1,326.25

Tuberculosis.**Receipts.**

Balance.....	\$80.00
Appropriation.....	600.00
Transferred from Estimated Receipts.....	50.00

Expended.

Bills Paid.....	\$606.34	
Transferred to Treasury.....	80.00	
Balance to 1914.....	43.66	
	\$730.00	\$730.00

Vital Statistics.**Receipts.**

Balance.....	\$55.25
Appropriation.....	220.00

Expended.

Paid for Records of Births and Deaths.....	\$201.15	
Transferred to Treasury.....	74.10	
	\$275.25	\$275.25

Other Expenses.**Receipts.**

Balance.....	\$4.04
Appropriation.....	1,050.00
Transferred from Estimated Receipts.....	125.00

Expended.

Salary of Inspection Plumbing and Sanitary	\$802.00	
Bills paid	326.13	
Transferred to Dead Animals . .	37.00	
Transferred to Treasury	13.91	
	\$1,179.04	\$1,179.04

Inspection of School Children.**Receipts.**

Appropriation	\$225.00
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Expended.

Salary of Inspector	\$225.00	
	\$225.00	\$225.00

Inspection of Animals and Sanitary.**Receipts.**

Appropriation	\$175.00
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Expended.

Salary of Inspector and Bills paid	\$136.00	
Transferred to Treasury	39.00	
	\$175.00	\$175.00

Inspection of Milk and Vinegar.**Receipts.**

Appropriation	\$100.00
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Expended.

Salary of Inspector	\$100.00	
	\$100.00	\$100.00

Inspection of Milk Analysis.**Receipts.**

Appropriation	\$300.00
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Expended.

Salary of Inspector	\$300.00	
	\$300.00	\$300.00

SEWER MAINTENANCE AND OPERATION.

(See Report of Engineer and Supt. for detail.)

Balance	\$20.21
Appropriation	1,000.00

Expended.

Bills Paid	\$972.20	
Transferred to Treasury	48.01	
	\$1,020.21	\$1,020.21

Surface Drainage Maintenance.

(See Report of Engineer.)

Balance	\$200.16
Appropriation	1,500.00
Transfer from Surface Drainage Construction	9.55

Expended.

Bills Paid	\$1,509.55	
Transferred to Treasury	200.16	
	\$1,709.71	\$1,709.71

COLLECTION OF ASHES AND RUBBISH.

(See Engineer's Report.)

Receipts.

Balance	\$228.27
Appropriation	3,500.00

Expended.

Bills Paid	\$3,500.00	
Transferred to Treasury	228.27	
	\$3,728.27	\$3,728.27

Collection of Garbage.

(See Health Report.)

Receipts.

Balance	\$3.32
Appropriation	2,000.00

Expended.

Bills Paid	\$2,000.00	
Balance to Treasury	3.32	
	\$2,003.32	2,003.32

Burial of Dead Animals.**Receipts.**

Transferred from Health Dept.	
Other expenses	\$37.00

Expended.

Bills Paid	\$37.00	
	\$37.00	\$37.00

Street Cleaning.

(See Engineer's Report.)

Receipts.

Balance	\$0.12
Appropriation	5,200.00

Expended

Bills Paid	\$5,200.00	
Transferred to Treasury	.12	
	\$5,200.12	\$5,200.12

HIGHWAYS.

(See Report of Engineer and Supt. of Public Works for detail).

General Administration.**Receipts.**

Appropriation	\$2,000.00
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Expended.

Salaries Paid	\$2,000.00	
	\$2,000.00	\$2,000.00

Repairing and Maintenance.

(See Engineer's Report.)

Receipts.

Balance	\$1,413.13
Appropriation	9,000.00

Sale of Horse.....	175.00
Sale of Old Material.....	28.02
Check refunded.....	10.00
State Treasury St. Ry. Tax...	3,044.92
Street Ry. Excise Tax.....	2,300.26
Middlesex County Account	
Perkins St.....	336.52
R. Philpot.....	6.44
G. W. Servis, Sundries.....	520.27
Cash Insurance Fire Loss.....	5,820.42
Transfer Bill.....	13,509.30

Expended.

Bills and Pay Rolls Paid.....	\$34,752.05	
Transferred to Horses Special..	1,100.00	
Transferred to Treasury.....	313.13	
Balance to 1914.....		.90
	\$36,165.18	\$36,165.18

Purchase of Horses.**Receipts.**

Transferred from Highway....	\$1,100.00
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Expended.

Bills Paid.....	\$968.00	
Balance to 1914.....	132.00	
	\$1,100.00	\$1,100.00

Sidewalks—Individual.**Receipts.**

Balance.....	\$368.80
Appropriation.....	1,000.00
Collection by J. W. Murray...	1,039.75
Collection by G. W. Servis....	18.99

AUDITOR'S REPORT

229

Sundry Collections.....	552.99
Transfer Bills.....	122.32
Transfer from Continuous Walks.....	325.44

Expended.

Bills Paid.....	\$3,399.39	
Cash Refunded.....	28.90	
	\$3,428.29	\$3,428.29

Sidewalks—Repairs.**Receipts.**

Balance.....	\$22.01
Appropriation.....	2,500.00
Loans Authorized.....	2,000.00

Expended.

Bills Paid.....	\$4,521.94	
Transferred to Treasury.....	.07	
	\$4,522.01	\$4,522.01

Street Sprinkling.

(Water.)

Receipts.

Collections in 1912.....	\$7,622.09
Transf'd from Rev. Pledged..	1,722.61
Collection in 1913.....	6,934.62

Expended.

Balance from 1912.....	\$11,133.61	
Bills Paid.....	1,459.39	
Transferred from Oil.....	7,330.01	
Balance to 1914.....		\$3,643.69
	\$19,923.01	\$19,923.01

Street Sprinkling.

(Oil.)

Receipts.

Cash Collected	\$12.50
Transferred from Water	7,330.01

Expended.

Bills Paid	\$7,342.51	
	\$7,342.51	\$7,342.51

Street Lighting.

(See Engineer's Report.)

Receipts.

Balance	\$2.07
Appropriation	15,550.00

Expended.

Bills Paid	\$15,503.04	
Transferred to Treasury	49.03	
	\$15,552.07	\$15,552.07

Street Signs and Numbering.

(See Engineer's Report.)

Receipts.

Balance	\$10.58
Appropriation	100.00
Transferred from Highway	
Repairs	6.81

Expended.

Bills Paid	\$106.81	
Transferred to Treasury	10.58	
	\$117.39	\$117.39

Stone Bounds.

Balance from 1912.....	\$53.88
No Expenditure	

CHARITIES.

(See Report of Overseers of Poor for detail.)

General Administration.**Receipts.**

Balance.....	\$15.91
Appropriation.....	750.00
Loans Authorized.....	25.00

Expended.

Bills Paid.....	\$771.34	
Transferred to Treasury.....	19.57	
	\$790.91	\$790.91

Almshouse or Farm.**Receipts.**

Balance.....	\$2.52
Appropriation.....	2,000.00
Cash Revenue.....	11.55
Loans Authorized.....	700.00
Transferred from Outside Relief by City.....	125.00
Transferred from Treasury....	27.53

Expended.

Bills Paid.....	\$2,832.25	
Balance to 1913.....	34.35	
	\$2,866.60	\$2,866.60

Outside Relief by City.**Receipts.**

Balance	\$30.94
Appropriation	3,000.00
Loans Authorized	275.00
Transferred from Treasury	51.22

Expended.

Bills Paid	\$3,273.73	
Transferred to Relief by Other Cities and Towns	30.94	
Balance to 1914	52.49	
	\$3,357.16	\$3,357.16

Relief by Other Cities and Towns.**Receipts.**

Balance	\$55.35
Appropriation	500.00
Cash	4.36
Loans Authorized	1,000.00
Transferred from Estimated Receipts	300.00
Transferred from Outside re- lief by City	30.94

Expended.

Bills Paid	\$1,744.58	
Transferred to Treasury	146.07	
	\$1,890.65	\$1,890.65

Repairs to Milk House.**Receipts.**

Transferred from Estimated Receipts	\$125.00
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Expended.

Bills Paid	\$118.00	
Transferred to Treasury	7.00	
	\$125.00	\$125.00

MELROSE HOSPITAL.**Receipts.**

Appropriation	\$1,000.00
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Expended.

Board and Care of Hospital...	\$1,000.00	
	\$1,000.00	\$1,000.00

SOLDIERS' BENEFITS.**General Administration.****Receipts.**

Appropriation	\$100.00
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Expended.

Salary of Agent	\$100.00	
	\$100.00	\$100.00

State Aid.

(Paid by Commonwealth, Nov., 1914.)

Pay Rolls Paid	\$2,586.00
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Military Aid.

(One-half of Payments Paid by Commonwealth, Nov., 1914.)

Receipts.

Balance	\$126.00
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Expended.

Pay Roll Paid	\$5.00	
Balance to 1914	121.00	
	\$126.00	\$126.00

Soldiers' Burial.*(Paid by Commonwealth, Nov., 1914.)*

Bills Paid	\$161.00
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Soldiers' Relief.**Receipts.**

Balance	\$193.58
Appropriation	3,000.00

Expended.

Cash Orders	\$2,198.00	
Board, Care and Rent	183.00	
Boots, Dry Goods, Shoes, etc.	26.50	
Food	157.00	
Fuel	362.27	
Medicine and Medical Atten- dance	11.13	
Miscellaneous	61.30	
Transferred to Treasury	194.38	
	\$3,193.58	\$3,193.58

EDUCATION—SCHOOL DEPARTMENT.*(See Report of Supt. for details.)***General Expenses—Administrative Salaries.****Receipts.**

Appropriation	\$2,740.00
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Expended.

Salary of Superintendent.	\$2,740.00	
	\$2,740.00	\$2,740.00

Other General Salaries.**Receipts.**

Appropriation.	\$1,220.00
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Expended.

Salary of Clerk and Truant Officer.	\$1,220.00	
	\$1,220.00	\$1,220.00

Other General**Receipts.**

Balance.	\$2.57
Appropriation.	740.00

Expended.

Office Supplies, Printing, Post- age and Stationery.	\$265.61	
Telephone.	272.20	
Traveling Expenses.	178.11	
Miscellaneous.	16.41	
Transferred to Treasury.	10.24	
	\$742.57	\$742.57

Teachers' Salaries.**Receipts.**

Appropriation.	\$70,700.00
Cash Refunded.	2.00

Expended.

Teachers' Pay Roll.....	\$70,633.34	
Transferred to Treasury.....	68.66	
	\$70,702.00	\$70,702.00

Text Books and Supplies.**Receipts.**

Balance.....	\$2.88
Appropriation.....	5,000.00
Loans Authorized.....	500.00

Expended.

Books and Supplies.....	\$5,172.94	
Chemicals, Supplies, etc.....	276.77	
Typewriter, Repairs and Sup- plies.....	19.73	
Miscellaneous.....	28.44	
Transferred to Treasury.....	5.00	
	\$5,502.88	\$5,502.88

Tuition.**Receipts.**

Balance.....	\$71.20
Appropriation.....	750.00
Loans Authorized.....	600.00

Expended.

City of Boston.....	\$663.50	
City of Malden.....	629.10	
City of Somerville.....	40.00	
Transferred to Treasury.....	88.60	
	\$1,421.20	\$1,421.20

Transportation.**Receipts.**

Balance	\$85.75
Appropriation	\$700.00

Expended.

Use of Barges	\$600.00	
Service on Barges	93.75	
Transferred to Treasury	92.00	
	\$785.75	\$785.75

Janitors' Salaries.**Receipts.**

Appropriation	\$8,100.00
Cash Refunded	15.00

Expended.

Pay Rolls	\$8,032.93	
Transferred to Treasury	82.07	
	\$8,115.00	\$8,115.00

Fuel and Lights.**Receipts.**

Balance	\$9.81
Appropriation	4,800.00

Expended.

Coal and Wood	\$4,450.91	
Electric Light	271.37	
Gas Lifgt.	68.22	
Transferred to Treasury	19.31	
	\$4,809.81	\$4,809.81

Maintenance of Buildings and Ground .**Receipts.**

Balance.....	\$2.78
Appropriation.....	4,100.00
Loans Authorized.....	900.00

Expended.

Stock, Labor and Repairs....	\$4,040.74	
Care of Grounds,, Janitors'		
Supplies, etc.....	868.52	
Miscellaneous.....	89.88	
Transferred to Treasury.....	3.64	
	\$5,002.78	\$5,002.78

Furniture and Furnishings.**Receipts.**

Balance.....	\$5.03
Appropriations.....	200.00

Expended.

Chairs.....	\$198.75	
Transferred to Treasury.....	6.28	
	\$205.03	\$205.03

Other Expenses.**Receipts.**

Balance.....	\$0.97
Appropriation.....	500.00

Expended.

Advertising, Printing and Stationery.....	\$210.73
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Expenses, Incidental to Grad-		
uation	199.21	
Moving Piano and Express . . .	36.63	
Miscellaneous	52.85	
Transferred to Treasury	1.55	
	\$500.97	\$500.97

LIBRARIES.

Salaries and Wages.

Receipts.

Balance	\$1.50
Appropriation	2,667.00
Transferred from Binding	50.00

Expended.

Pay Rolls	\$2,712.09	
Transferred to Treasury	6.41	
	\$2,718.50	\$2,718.50

Books and Periodicals.

Receipts.

Balance	\$1.97
Appropriation	1,500.00

Expended.

Bills Paid	\$1,485.21	
Transferred to Treasury	16.76	
	\$1,501.97	\$1,501.97

CITY OF MELROSE

Binding.**Receipts.**

Balance	\$3.62
Appropriation	500.00

Expended.

Bills Paid	\$424.65	
Transferred to Salaries and Wages	50.00	
Transferred to Fuel and Lights	25.00	
Transferred to Treasury	3.97	
	\$503.62	\$503.62

Fuel and Lights.**Receipts.**

Appropriation	\$500.00
Transferred from Binding	25.00

Expended.

Bills Paid	\$525.00	
	\$525.00	\$525.00

Building and Janitors' Supplies.**Receipts.**

Appropriation	\$175.00
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Expended.

Bills Paid	\$175.00	
	\$175.00	\$175.00

Other Expenses.**Receipts.**

Balance	\$37.32
Appropriation	425.00
Cash Refunded	2.50

Expended.

Bills Paid	\$424.20	
Transferred to Treasury	40.62	
	\$464.82	\$464.82

RECREATION.**Pine Banks Park.****Receipts.**

Appropriation	\$1,500.00
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Expended.

Paid Treasurer Pine Banks Commissioners	\$1,500.00	
(See Report of Commis sioners.)		
	\$1,500.00	\$1,500.00

PARK DEPARTMENT**General Administration.**

(See Report of Park Commissioners.)

Salaries and Wages.**Receipts.**

Balance	\$25.00
Appropriations	50.00

Expended.

Salary of Clerk.....	\$50.00	
Transferred to Other expenses	25.00	
	\$75.00	\$75.00

Other Expenses.**Receipts.**

Balance.....	\$48.18
Appropriation.....	100.00
Transferred from Salaries and Wages.....	25.00

Expended.

Bills Paid.....	\$170.99	
Transferred to Treasury.....	2.19	
	\$173.18	\$173.18

Parks and Gardens—Salaries and Wages.**Receipts.**

Appropriation.....	\$650.00
Transferred from Acquiring and Grading.....	58.50
Transferred per Order No. 8150	68.66

Expended.

Bills Paid.....	\$587.12	
Transferred to Improvement Ice House Site.....	31.01	
Transferred to Acquiring and Grading.....	22.50	
Transferred to Special Account for 1914.....	136.53	
	\$777.16	\$777.16

Improvement and Addition.**Receipts.**

Appropriation	\$200.00
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Expended.

Bills Paid	\$198.50	
Transferred to Salaries and Wages, No. 8150	1.50	
	\$200.00	\$200.00

Other Expenses.**Receipts.**

Balance	\$1.13
Appropriation	175.00
Transferred from Improvement and Addition, No. 8150	40.50

Expended.

Bills Paid	\$215.45	
Transferred to P. G. and S. and W. No. 8150	.05	
Transferred to Treasury	1.13	
	\$216.63	\$216.63

Playgrounds and Gymnasium—Salaries and Wages.**Receipts.**

Appropriation	\$50.00
Cash Refunded	.90

Expended.

Pay Rolls	\$31.80	
Transferred to P. G. and S. and Wages, No. 8150	19.10	
	\$50.90	\$50.90

Improvements and Additional.**Receipts.**

Appropriation	\$150.00
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Expended.

Bills Paid	\$135.84	
Transferred to P. and G. and S. and W., No. 8150	14.16	
	\$150.00	\$150.00

Other Expenses.**Receipts.**

Appropriation	\$25.00
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Expended.

Bills Paid	\$22.87	
Transferred to P. and G.—S. and W., No. 8150	2.13	
	\$25.00	\$25.00

Bath Houses—Salaries and Wages.**Receipts.**

Appropriation	\$350.00
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Expended.

Pay Rolls	\$329.86	
Transferred to P. and G.—S. and W., No. 8150	\$20.14	
	\$350.00	\$350.00

Improvements and Additionls.**Receipts.**

Appropriation	\$25.00
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Expended.

Bills Paid	\$13.54	
Transferred to P. and G. S. and W., No. 8150	11.46	
	\$25.00	\$25.00

Other Expenses.**Receipts.**

Appropriation	\$25.00
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Expended

Bills Paid	\$24.88	
Transferred to P. and G. S. and W., No. 8150	.12	
	\$25.00	\$25.00

Memorial Day.**Receipts.**

Balance	\$0.05
Appropriation	325.00

Expended.

Bills Paid	\$317.64	
Transferred to Treasury	\$7.41	
	\$325.05	\$325.05

Ringin Bell.**Receipts.**

Balance	\$4.00
Appropriation	50.00

Expended.

Bills Paid	\$46.00	
Transferred to Treasury	8.00	
	54.00	54.00

UNCLASSIFIED.**Claims for Damages.****Receipts.**

Balance	\$350.00
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Expended.

Hannah E. Backus	\$350.00	
	\$350.00	\$350.00

Fourth of July.**Receipts.**

Cash from Individual	\$70.00
Transferred from Treasury	500.00

Expended.

Bills Paid	\$570.00	
	\$570.00	\$570.00

Printing City Report

Receipts.

Appropriation	\$500.00
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Expended.

Expended	\$497.19	
Bills Paid	2.81	
	\$500.00	\$500.00

Ice for Drinking Fountain

Receipts.

Balance	\$20.00
Appropriation	25.00

Expended.

Bills Paid	\$25.00	
Transferred to Treasury	20.00	
	\$45.00	\$45.00

Insurance.

Receipts.

Balance	\$119.25
Appropriation	2,200.00
Cash Refunded for Reduced Rates	69.48
Transferred from Treasury	800.00

Expended.

Premiums Paid	\$3,055.80	
Transferred to Treasury	132.92	
	\$3,188.73	\$3,188.73

Portraits.**Receipts.**

Balance	\$110.00
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Expended.

Bills Paid	\$109.00	
Transferred to Treasury	1.00	
	\$110.00	\$110.00

Installation of System of Accounting.

Warrant from State Treasurer	\$1,502.39
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Expended.

Paid of State Treasurer	\$1,502.39	
	\$1,502.39	\$1,502.39

PUBLIC SERVICE ENTERPRISE.**Water Maintenance.**

(See Report of Engineer.)

Receipts.

Balance	\$179.35
Appropriation	10,000.00
Cash for Off and On	57.50
Transfers from Sundry Accts.	8,113.20

Expended.

Bills Paid	\$18,011.14	
Transferred to Treasury	179.35	
Balance to 1914	159.56	
	\$18,350.05	\$18,350.05

**Inside Service
Receipts.**

Balance.....	\$78.25
Cash Receipts.....	3,116.68
Transfer from Fire Alarm.....	1.38

Expended

Bills Paid.....	\$2,906.85	
Balance to 1914.....	289.46	
	\$3,196.31	\$1,396.31

Public Scales.

Receipts.

Balance.....	\$31.01
Fees.....	38.00

Expended.

Bills Paid.....	\$2.33	
Transferred to Treasury.....	66.68	
	\$69.01	\$69.01

Cemetery.

Receipts.

Balance.....	\$1,955.03
Appropriation from receipts...	6,500.00

Expended.

Bills and Pay Roll Paid.....	\$6,332.04	
Balance to 1914.....	2,122.99	
	\$8,455.03	\$8,455.03

Interest.**Receipts.**

Balance.....		\$5,363.84
Appropriation.....		33,000.00
Accrued Interest.....	\$144.74	
Betterments.....	145.27	
Investment Account.....	17.64	
Melrose Nat. Bank Deposits..	509.73	
Old Colony Trust Co. Deposits	203.40	
Sewer Assessments.....	406.83	
Sidewalk Assessments.....	197.08	
Real Estate Possession.....	88.81	
Taxes.....	6,735.92	
Tax Takings.....	809.55	9,258.97

Expended.

Auditorium Loan Coupons....	\$1,680.00
Park Loan Coupons.....	580.00
School Loan Coupons.....	10,570.00
Sewer Loan Coupons.....	15,450.00
Surf. Drain. Loan Coupons...	5,000.00
Cemetery Trust Funds.....	1,192.21
Municipal Loans.....	627.44
Permanent Loan.....	2,915.08
Temporary Loan.....	9,251.67

 \$47,266.40

 Balance to 1914..... 356.41

 \$47,622.81

 \$47,622.81
Guarantee Deposits.**Receipts.**

Checks.....	\$450.00
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Expended.

Checks returned.....	\$450.00	
	\$450.00	\$450.00

Agency, Trusts and Investment.**Agency.**

From Taxes for State.....	\$32,640.00
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Expended.

Paid State Treasurer.....	\$32,640.00	
	\$32,640.00	\$32,640.00
From Taxes for County.....		\$16,466.40

Expended.

Paid County Treasurer.....	\$16,466.40	
	\$16,466.40	\$16,466.40

Metropolitan Park Tax.

Warrant.....	\$10,262.39
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Expended.

Paid State Treasurer.....	\$10,262.39	
	\$10,262.39	\$10,262.39

Metropolitan Sewer Tax.

Amount of Warrant.....	\$17,103.24
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Expended.

Paid State Treasurer.....	\$17,103.24	
	\$17,103.24	\$17,103.24

Metropolitan State Highway.

Amount of Warrant.....	\$20.00
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Expended.

Paid State Treasurer.....	\$20.00	
	\$20.00	\$20.00

Charles River Basin.

Amount of Warrant.....	\$1,655.79
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Expended.

Paid State Treasurer.....	\$1,655.79	
	\$1,655.79	\$1,655.79

NON REVENUE.**Bank and Corporation Tax—Refunded.**

Proceeds of Loan.....	\$854.70
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Expended.

Paid Warrant of State Treas...	\$854.70	
	\$854.70	\$854.70

Melrose Auditorium and Memorial Building Construction.**Receipts.**

Balance.....	\$15,519.25
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Expended.

American Seating Co.....	\$3,643.50	
A. B. Franklin Heating.....	500.00	
F. S. Hardy & Co., Lighting...	176.91	
I. L. Watson, Elec. Wiring...	287.00	
MacDonald & Joslin Co., Con- struction.....	8,538.34	
R. D. Kimball Co., Expert Sewer Ventilating.....	50.00	
McKinney & Waterbury Co., Fixturs.....	978.00	
Geo. V. Newton, Architect....	1,088.00	
	\$15,261.75	
Balance to 1914	257.50	
	\$15,519.25	\$15,519.25

Installation of Steel Fittings City Hall Vaults.**Receipts.**

Loans Authorized..	\$1,722.00
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Expended.

Bills Paid.....	\$1,722.00	
	\$1,722.00	\$1,722.00

Fire Dept.—Chemical and Roundabout.**Receipts.**

Loans Authorized.....	\$6,500.00
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Expended.

Bil.s Paid.....	\$6,500.00	
	\$6,500.00	\$6,500.00

Brown Tail and Gypsy Moth—Private Work.**Receipts.**

Loans Authorized.....	\$1,000.00
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Expended.

Pay Roll and Bills Paid.....	\$961.33	
Balance to 1914.....	38.67	
	\$1,000.00	\$1,000.00

Care and Maintenance of Trees.**Receipts.**

Loans Authorized.....	\$3,000.00
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Expended.

Pay Rolls and Bills Paid.....	\$2,992.87	
Balance to 1914.....	7.13	
	\$3,000.00	\$3,000.00

Private Sewers.

(See Report of Engineer.)

Balance.....	\$96.21
Collection by Engineer.....	2,615.51
Transferred from Sewer Construction.....	29.25

Expended.

Pay Rolls and Bills Paid.....	\$2,623.75	
Balance to 1914.....	117.22	
	\$2,740.97	\$2,740.97

Sewer Construction.**Receipts.**

Balance	\$6,782.06
Sale of Bonds	10,000.00
Cash Sundries	310.48
Transfer Bills	4,044.69

Expended.

Pay Rolls and Bills Paid	\$17,796.97	
Balance to 1914	3,340.26	
	\$21,137.23	\$21,137.23

Surface Drainage Construction.**Receipts.**

Balance	\$120.53
Sale of Bonds	10,000.00
Cash from County	263.30

Expended.

Pay Rolls and Bills Paid	\$9,836.49	
Balance to 1914	547.34	
	\$10,383.83	\$10,383.83

Cleaning Brook.

Balance	\$72.28
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Expended.

Pay Rolls and Bills Paid	\$72.28	
	\$72.28	\$72.28

Continuous Walks.**Receipts.**

Balance 1912	\$263.61
Balance Sidewalk Asst. 1912..	3,451.82
Loans Authorized	10,000.00
Cash from Pledged Account...	2,984.48
Cash from Engineer of P. W...	31.50
Transfer Bill	1.75

Expended.

Pay Rolls and Bills Paid	\$13,794.13	
Balance to 1914	2,939.03	
	\$16,733.16	\$16,733.16

Repairing Boardman Avenue.

Balance form 1912	\$182.88
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Expended.

Transferred to Highway Re- pairing	\$182.88	
	\$182.88	\$182.88

Laying Out and Building Chester Street—Adams to Florence.**Receipts.**

Proceeds of Note	\$700.00
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Expended.

Pay Rolls and Bills	\$555.54	
Balance to 1914	144.46	
	\$700.00	\$700.00

Essex Street.

Proceeds of Note.....		\$2,900.00
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Expended.

Pay Rolls and Bills Paid.....	\$2,764.03	
Balance to 1914.....	135.97	
	\$2,900.00	\$2,900.00

Florence Street.

Balance.....		\$273.22
Transferred from Highway Re- pairing.....		52.88

Expended.

Bills Paid.....	\$52.88	
Transferred to Highway Re- pairing.....	273.22	
	\$326.10	\$326.10

East Foster Street.

Proceeds of Note.....		\$1,000.00
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Expended.

Pay Rolls.....	\$886.19	
Balance to 1914.....	113.81	
	\$1,000.00	\$1,000.00

Franklin Street.

Balance.....		\$24.16
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Expended.

Transferred to Highway Rep- airing.....	\$24.16	
	\$24.16	\$24.16

Goss Avenue.

Balance.....		\$388.50
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Expended.

Pay Rolls and Bills paid.....	\$301.36	
Balance to 1914.....	\$87.14	
	\$388.50	\$388.50

High Street Macadamizing.

Proceeds of Note.....		\$2,000.00
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Expended.

Pay Roll and Bills Paid.....	\$2,000.00	
	\$2,000.00	\$2,000.00

Hurd Street.

Proceeds of Note.....		\$2,000.00
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Expended.

Pay rolls and Bills Paid.....	\$1,825.25	
Balance to 1914.....	174.75	
	\$2,000.00	\$2,000.00

Main Street, Malden Line to Porter Street.

Proceeds of Loan.....		\$25,000.00
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Expended.

Pay Rolls and Bills Paid.....	\$15,203.58	
Balance to 1914.....	9,796.42	
	\$25,000.00	\$25,000.00

Melrose Street.**Laying Sidewalk and Steps.**

Balance.....	\$173.51
Cash Refunded.....	25.00

Expended.

Transferred to Highway Rep.	\$198.51	
	\$198.51.	\$198.51

Laying out and Building Mountain Avenue and Hancock Street.

Proceeds of Loan.....	\$5,500.00
Bal. to 1914—no expenditure..	

Newburyport Turnpike.

Balance.....	\$8.97
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Expended.

Transferred to Highway Rep...	\$8.97	
	\$8.97	\$8.97

Nowell Road—Henry Avenue to Morgan Street.

Balance.....	\$156.78
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Expended.

Pay Rolls.....	\$21.69	
Balance to 1914.....	135.09	
	\$156.78	\$156.78

Perkins Street.

Balance.....	\$1.87
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Expended.

Transferred to Highway Rep...	\$1.87	
	\$1.87	\$1.87

Repairing Sargent Street Sidewalk.

Balance	\$35.89
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Expended.

Transferred to Highway Rep...	\$35.89	
	35.89	\$35.89

Laying-out and Building Spear Street.

Proceeds of Loan	\$5,000.00
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Expended.

Pay Rolls Paid	\$251.08	
Balance to 1914	\$4,748.92	
	\$5,000.00	\$5,000.00

Stratford Road Macadamizing.

Proceeds of Loan	\$1,200.00
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Expended.

Pay Rolls and Bills Paid	\$1,097.02	
Balance to 1914	102.98	
	\$1,200.00	\$1,200.00

Swain's Pond Avenue.

Balance	\$28.52
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Expended.

Transferred to Highway Rep...	\$28.52	
	\$28.52	\$28.52

Laying Out and Building Warwick Road.

Balance.....		\$170.08
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Expended.

Bills Paid.....	\$27.69	
Transferred to Highway Rep...	\$142.39	
	\$170.08	\$170.08

East Wyoming Avenue.

Balance.....		\$156.73
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Expended.

Pay Roll.....	\$80.22	
Balance to 1914.....	\$76.51	
	\$156.73	\$156.73

SCHOOL DEPARTMENT.**Construction of Inside Curb Upham Street.**

Balance of 1912 as 1913.....		\$600.00
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Laying Out and Construction Walks on High School Grounds.

Proceeds of Loan.....		\$900.00
Balance to 1914.....		

PARK DEPARTMENT.

(See Report of Park Commissioners Acquiring and Grading.)

Balance 1912	\$688.17	
Transf'd from P. & G. S. & W.		22.50

Expended.

Pay Rolls	\$276.42	
Transf'd to P. & G. Salaries . . .	\$58.50	
Balance to 1914	375.75	
	\$710.67	\$710.67

Ell Pond Park Development.

Balance	\$7.48
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Expended.

Bills Paid	\$7.48	
	\$7.48	\$7.48

Purchase of Ice House and Land.**Receipts.**

Issue of 9 Serial Bonds	\$9,000.00
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Expended.

Boston Ice Co., Land Tremont Street	\$2,039.78	
J. C. F. Slayton, House and Land, Main Street	\$6,926.98	
Recording Papers	\$3.35	
Balance transferred to Pay- ment of Bonds	\$29.89	
	\$9,000.00	\$9,000.00

Improvement of Ice-House Site.

(See Park Commissioner's Report.)

Receipts.

Transferred from Treasury	\$105.00
Proceeds from Loan	2,500.00
Transf'd from P. & G., S. & W.	31.01

Expended.

Pay Rolls and Bills Paid	\$2,635.74	
Balance to 1914	.27	
	\$2,636.01	\$2,636.01

WATER CONSTRUCTION.

(See Report of Engineer and Supt.)

Receipts.

Balance	\$1,186.18
Issue of Bonds	15,000.00

Expended.

Pay Rolls and Bills Paid	\$13,819.13	
Balance to 1914	2,367.05	
	\$16,186.18	\$16,186.18

CEMETERIES.**Improvement.****Receipts.**

Proceeds of Loan	\$3,600.00
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Expended.

Dressing.....	\$ 60.00	
Frames for Tomb—stock and labor.....	118.47	
Gravel and Loam.....	1,986.15	
Grates.....	16.25	
Markers for Lots.....	30.25	
Mason Work.....	50.00	
Pay Rolls.....	1,167.78	
Pipe.....	49.35	
Teams.....	121.75	
	\$3,600.00	\$3,600.00

PAY ROLL TAILINGS.**Receipts.**

Balance.....	\$186.65
Additional.....	17.30
Balance to 1914.....	\$203.95

TRUST FUNDS.**Cemetery Perpetual Care.**

Balance from 1912.....	\$28,651.50
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Receipts.

Allen, Mrs. M. F.....	\$80.00
Barrett, Isadora C.....	80.00
Blackstone, Mrs. L. M.....	60.00
Burke, George W.....	155.00
Crowell, Estate F. S.....	15.00
Curtis, Alice.....	25.00
Curtis, Mrs. Elenor H.....	60.00
Deering, Mrs. Elizabeth.....	100.00
Dennett, John W.....	100.00
Drownes, Mrs. Elizabeth M....	100.00
Gray, George M.....	200.00

Greyson, Annie M. J.	45.00	
Hawkes, Mrs. Mary H.	80.00	
Hodgkin, Mrs. Eveline	90.00	
Jeffrey, Thomas E.	80.00	
Kersting, Amelia H.	83.00	
Lakin, Annie	80.00	
Lang, Charles L., Jr.	168.00	
Marshall, E. E., Adm.	155.00	
Merriam, Bessie G.	60.00	
Rogers, Hattie E., Ex.	145.00	
Terwilliger, Mrs. Sarah J.	146.00	
Twitchell, Union B.	175.00	
Whowell, E. and M.	150.00	
Young, W. H.	80.00	\$2,512.00
Balance to 1914.		\$31,163.50

Reserve Fund—15%.

Balance from 1912.	\$500.23
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Expended.

Bills Paid	\$500.23	
	\$500.23	\$500.23

Water Loan Premium Fund.

Balance from 1912.	\$146.90
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Expended.

Transferred to Municipal In- debtedness	146.90	
	\$146.90	\$146.90

Main Street Improvement Loan Premium Fund.

Premium on 10 Serial Notes . . .	\$202.50
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Expended.

Transferred to Certification of Notes.....	\$75.00	
Balance to 1914.....	127.50	
	\$202.50	\$202.50

SINKING FUNDS.

(For details see Report of Sinking Fund Commissioners.)

School House Loan.

Balance 1912.....	\$168,992.09	
Appropriation—Budget.....	8,316.00	
Receipts.....	6,984.16	\$184,292.25

Expended.

Expenses and Payments.....	\$1,644.46	
Balance to 1914.....	182,647.79	
	\$184,292.25	\$184,292.25

Sewer Loan.

Balance from 1912.....	\$222,709.29	
Cash from City Treasurer, As- sessments.....	1,843.39	
Cash Coupons and Interest...	9,114.00	\$233,666.68

Expended.

Expenses and Payments.....	\$9,903.49	
Balance to 1914.....	223,763.19	
	\$233,666.68	\$233,666.68

Surface Drainage Loan.

Balance from 1912.....	\$30,062.59	
Appropriation—Budget.....	5,358.00	
Cash Coupons and Interest....	1,412.64	\$36,833.23

Expended

Expenses and Payments.....	\$404.03	
Balance to 1914.....	36,429.20	
	\$36,833.23	\$36,833.23

Water Loan.

Balance from 1912.....	\$115,636.09	
Cash Coupons and Interest....	4,735.02	\$120,371.11

Expended.

Bonds Paid.....	\$50,000.00	
Expenses and Payments.....	4,917.02	
Balance to 1914.....	65,454.09	
	\$120,371.11	\$120,371.11

E. Toothaker Fund.

Balance from 1912.....	\$1,364.80
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Expended.

Bills Paid.....	\$34.82	
Balance to 1914.....	1,329.98	
	\$1,364.80	\$1,364.80

SCEHDLUE OF CITY PROPERTY.**Brown Tail and Gypsy Moth.**

Personal Property.....	\$1,695.55
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Chairty Department.

Personal Property.....	\$1,826.90
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Fire Department.

Central Fire Station on City	
Hall lot.....	\$20,000.00

Hose 3.

Building.....	\$1,200.00	
10,267 sq. ft. land.....	3,075.00	\$4,275.00

Hose No. 4.

Building.....	\$1,800.00	
5,625 sq. ft. land.....	550.00	\$2,350.00
Personal Property.....		24,060.61
Fire Alarm.....		17,215.95
		\$67,901.56

Health Department.

Isolation Hospital Building...	\$400.00	
Personal Property, Contagious Building.....	406.14	\$806.14

Public Parks.

Ell Pond Park.....	\$20,500.00	
Melrose Common, 4-35-100 acres.....	10,000.00	
Sweall Woods Park, 9 A-11,001 sq. ft.....	11,250.00	
Strip East Side Ell Pond....	7,900.00	
Lot Main and Lynde Sts., 5,000 sq. ft.....	1,250.00	
Band Stand.....	550.00	
Bath House.....	500.00	
Boat, Life Saving Apparatus, etc.....	100.00	
Two Fountains in Square....	50.00	
Playground Apparatus.....	325.00	
Sanitary.....	70.00	
Settees and Bleachers.....	200.00	\$52,695.00

Police Department.

Personal Property	\$2,484.18	
Police Signal system	5,681.57	8,166.75

Public Library.

Building	\$30,000.00	
30,300 ft. land	10,600.00	
Books	26,500.00	
Furniture and Fixtures	4,500.00	
Pictures, Statuary, Mounted Birds etc., articles of use and Ornaments	2,500.00	\$74,100.00

School Department.

Converse School Building	\$5,000.00	
21,117 sq. ft. land	1,050.00	
		\$6,050.00
Franklin School Building	30,000.00	
32,539 sq. ft. land	9,500.00	
		39,500.00
Gooch School Building	\$25,000.00	
27,815 sq. ft. land	4,500.00	
		\$29,450.00
High School Building	\$140,000.00	
116,385 sq. ft. land	58,200.00	
		\$198,200.00
Lincoln School Building	\$30,000.00	
27,604 sq. ft. land	6,900.00	
		\$36,900.00
Livermore School Building	\$17,000.00	
26,555 sq. ft. land	6,650.00	
		\$23,650.00
Horace Mann School Building	\$20,000.00	
26.331 sq. ft. land	4,475.00	
		\$24,574.00
Ripley School Building	\$2,200.00	
14,567 sq. ft. land	575.00	
		\$2,775.00

Sewell School Building.....	\$8,000.00	
14,748 sq. ft. land.....	7,375.00	
		\$15,375.00
Warren School Building.....	\$14,000.00	
18,573 sq. ft. land.....	2,300.00	
		\$16,300.00
Washington School Building..	\$30,000.00	
30,794 sq. ft. land.....	4,000.00	
		\$34,000.00
West Side School Building....	\$1,000.00	
11,880 sq. ft. land.....	3,325.00	
		\$4,325.00
Whittier School Building.....	\$7,500.00	
15,000 sq. ft. land.....	3,000.00	
		\$10,500.00
Winthrop School Building....	\$11,000.00	
26,544 sq. ft. land.....	1,600.00	
		\$12,600.00
Total Building and Land.....		\$454,100.00
Personal Property.....		72,245.00
		\$526,345.00

Sundries.

Old School Lot, Chestnut St...		
12,000 sq. ft. land.....	\$2,400.00	
Old School Lot, Upham St.,		
11,400 sq. ft. land.....	675.00	
		\$3,075.00

Sealer of Weights and Measures.

Personal Property.....	\$525.50
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Wyoming Cemetery.

Buildings.....	\$3,500.00	
Office.....	500.00	
47 3-4 acres land.....	31,700.00	
Water System.....	950.00	
Personal Property.....	208.00	
		\$36,858.00

Public Works Department.

Auditorium and Soldiers' Building Land, Furniture and Fixtures.....	\$112,000.00
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City Hall.

Building.....	\$75,000.00	
44,934 sq. ft. land.....	67,400.00	
Furniture Fixtures and Sun- dries.....	10,000.00	
		\$152,400.00

Highway Division.

Crusher Lot, Maple St., 17,326 sq. ft. Land.....	\$1,000.00	
Crusher Lot, Linwood Avenue, 132,877 sq. ft. land.....	3,200.00	
Stone Crusher Plant, Tools, etc.	4,800.00	
Road Roller, Scraper, Plow, Sprinkling Carts, etc.....	7,102.00	
Horses, Carts, Harness, Tools, etc.....	4,456.00	
		\$20,558.00

Sewer Division.

Cost of Construction to Dec. 31, 1912.....	\$443,771.52	
Additional to Dec. 31, 1913...	12,943.31	
		\$456,714.83

Surface Drainage.

Cost of Construction to Dec. 31, 1912.....	\$153,589.66	
Additional to Dec. 31, 1913...	9,836.19	
		\$163,425.85

Water Division.

Cost of Construction to Dec. 31,		
1912.	\$428,820.20	
Additional to Dec. 31, 1913.	14,604.97	
		\$443,425.17

RECAPITULATION.

Brown Tail and Gypsy Moth. .	\$1,695.55	
Charity Dept.	1,826.90	
Fire Dept.	67,901.56	
Health Dept.	806.14	
Public Parks.	52,695.00	
Police Dept.	8,166.75	
Public Library.	74,100.00	
School Dept.	526,345.00	
Sundries.	3,075.00	
Sealer of Weights and Measures	525.50	
Wyoming Cemetery.	36,858.00	
Public Works Dept.:		
Soldiers' Memorial.	112,000.00	
City Hall.	152,400.00	
Highway Dept.	20,558.00	
Sewer System.	456,714.83	
Surface Drainage System. .	163,425.85	
Water System.	443,425.17	
		\$2,122,519.25

Collector's Report

December 31, 1913.

*To the Honorable Board of Aldermen,
City of Melrose.*

Gentlemen:—I hereby submit the fourteenth annual report.

TAX 1910.

Warrant.....		\$328,378.98
Additional.....		1,470.47
Interest.....		6,696.90
		\$336,546.35
Abatements.....	\$7,545.46	
Takings.....	4,715.34	
City Possessions.....	431.65	12,692.45
		\$323,853.90
Paid Treasurer.....	323,853.90	

TAX 1911.

Uncollected Dec. 31, 1912.....		\$43,093.99
Interest 1913.....		2,935.00
		\$46,028.99
Abatements 1913.....	\$524.42	
Takings 1913.....	8,019.33	
Paid Treasurer Tax.....	31,522.87	
Paid Treasurer Interest.....	2,935.00	43,001.62
Uncollected Dec. 31, 1913.....		\$3,027.37

TAX 1912.

Uncollected Dec. 31, 1912.....		\$160,123.80
Additional.....		261.12
Interest.....		3,305.53
		\$163,690.45
Abatements.....	\$2,193.55	
Paid Treasurer.....	115,209.36	117,402.91
Uncollected Dec. 31, 1912.....		\$46,287.54

TAX 1913.

Warrant.....		\$376,511.91
Additional.....		4,860.34
Interest.....		148.16
		\$381,520.41
Paid Treasurer.....	\$218,858.85	
Abatements.....	4,718.62	223,577.47
Uncollected Dec. 31, 1913.....		\$157,942.94

SEWERS.

Collections 1913.....		\$2,521.38
Appor. paid full.....	\$248.31	
Unapor. paid full.....	670.44	
Appor.....	1,195.80	
Interest.....	406.83	
	\$2,521.38	

STREET WATERING 1913.

Warrant.....		\$9,915.87
Abatements.....		603.02
		\$9,312.85
Paid Treasurer.....		5,078.77
Uncollected Dec. 31, 1913.....		\$4,234.08

STREET WATERING 1912.

Uncollected Dec. 31, 1912.....	\$4,125.96	
Abated 1913.....	20.84	
	\$4,105.12	
Paid Treas. 1913.....	2,880.90	
Uncollected Dec. 31, 1913.....	\$1,224.22	

STREET WATERING 1911.

Uncollected Dec. 31, 1912.....		\$899.34
Abated 1913.....	\$6.72	
Takings 1913.....	207.91	214.63
		\$684.71
Paid Treasurer 1913.....		662.09
Uncollected Dec. 31, 1913.....		\$22.62

STREET WATERING 1910.

Wa rant.....		\$6,328.89
Additional.....		4.70
		\$6,333.59
Takings Possession.....	\$105.90	
Abatements.....	39.55	145.45
		\$6,188.14
Paid Treasurer.....	\$6,188.14	

SIDEWALK AND CURBING.

Collections.....		\$5,438.93
Paid Treasurer.....	\$5,241.85	
Interest.....	197.08	
	\$5,438.93	

INDIVIDUAL SIDEWALK.

Collections 1913.....		\$1,039.95
Paid Treasurer.....	\$1,039.95	

BETTERMENTS.

Collections 1913.....		\$574.39
Paid Treasurer.....	\$429.12	
Interest.....	145.27	
	\$574.39	

MOTH 1913.

Warrant and Additional.....		\$1,211.37
Abatements.....	\$51.70	
Paid Treasurer.....	729.47	781.17
Uncollected Dec. 31, 1913.....		\$430.20

MOTH 1912.

Uncollected Dec. 31, 1912.....		\$94.35
Paid Treasurer 1913.....		\$47.89
Uncollected Dec. 31, 1913.....		\$46.46

MOTH 1911.

Warrant.....		\$1,084.40
Additional.....		3.00
		\$1,087.40
Abatements.....	\$73.90	
Takings.....	33.90	
Paid Treasurer Dec. 31, 1912.....	779.33	
Paid Treasurer Dec. 31, 1913.....	180.27	1,067.40
Uncollected Dec. 31, 1913.....		\$20.00

UNREDEEMED TAX SALE.

Tax	\$103.95
Interest	90.57
Costs	49.56
Tax 1911	8.16
Tax 1912	8.16
Tax 1913	8.16
	\$268.56
Paid Treasurer	\$268.56

NON RESIDENT BANK TAX 1913

Collected and Paid Treasurer	\$1,000.62
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EXCESS TAX 1913.

Collected and Paid Treasurer	\$2,300.26
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COLLECTOR'S RECEIPTS.

Collected and Paid Treasurer	\$1,594.48
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TAKING 1907 IN 1913.

Tax Collections	\$75.65
Interest	36.46
	\$112.11
Paid Treasurer	\$112.11

TAKING 1908 IN 1913.

Tax Collections	\$330.49
Street Water	2.17
Interest	113.88
	\$446.54
Paid Treasurer	\$446.54

TAKING 1909 IN 1913.

Tax Collections.....	\$1,006.50
Street Water.....	18.58
Moth.....	2.40
Interest.....	276.99
	\$1,304.45
Paid Treasurer.....	\$1,304.45

TAKING 1910 IN 1913.

Tax Collections.....	\$1,649.65
Street Water.....	33.06
Interest.....	295.70
	\$1,978.41
Paid Treasurer.....	\$1,978.41

TAKING 1911 IN 1913.

Tax Collections.....	\$741.98
Street Water.....	21.53
Moth.....	1.50
Interest.....	96.23
	\$861.24
Paid Treasurer.....	\$861.24

WATER RATES 1913.

Collected and Paid Treasurer:	
Rates.....	\$37,385.03
Summons.....	78.80
	\$37,463.83

WATER RATES 1912.

Collected and Paid Treasurer:

Rates.....	\$45,603.07
Summons.....	1.20
	\$45,604.27

WATER RATES 1911.

Collected and Paid Treasurer:

Rates.....	18.13
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Respectfully submitted

JAMES W. MURRAY,
City Collector.

Report of the Cemetery Committee

To the Honorable Mayor and Board of Aldermen:—

Gentlemen:—The Cemetery Committee respectfully submit their report of the receipts and expenditures for the Cemetery Department during the financial year ending Dec. 31, 1913.

Receipts.

Dressing.	\$56.50
Foundation.	137.00
Graves, single.	250.75
Interments.	623.00
Labor, Grading lots, etc.	160.00
Lots, care of.	1,919.54
Lots, care of—Perpetual.	1,192.21
Lots, sale of.	2,356.35
Sundries.	12.00
Vaults, slate.	425.00
	\$7,132.35

Expended—Maintenance.

Salary of Clerk.	\$39.90
Salary of Committee.	75.00
Salary of Superintendent.	1,200.00
Bond of Superintendent.	3.00
Leavitt, M. D., Clerical Service	36.00
Pay Rolls, employees and teaming.	3,951.49
Cement.	48.75
Dressing.	11.00
Freight and Teaming.	77.09
Fuel.	15.00
Grave, Covers.	37.82
Lot Register and loose leaves.	35.31
Makers and signs.	21.06
Miscellaneous.	67.46
Paints, oil, seed, plants and shrubs.	105.45

Painting Office Building.....	43.64	
Refund on lot sold.....	10.00	
Sharpening tools.....	53.81	
Telephone, Printing, Postage and stationery.....	104.93	
Tools.....	51.28	
Stock, and labor, racks in tomb.....	38.03	
Stock and labor on pump.....	26.23	
Slate vaults.....	279.85	
		\$6,332.04
Receipts exceed payment \$800.31		

Improvements.

App opriation Proceeds of Note.....	\$3,600.00
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Payments.

Dressing.....	\$150.00	
Filling.....	63.00	
Frames and grates.....	16.25	
Grave Markers.....	30.25	
Gravel and Teaming.....	1,755.15	
Loam.....	78.00	
Mason work.....	50.00	
Pay Roll.....	1,167.78	
Sewer Pipe.....	49.35	
Shelving in Tomb.....	118.47	
Teaming.....	121.75	
		\$3,600.00

Respectfully submitted,

WILLIS C. GOSS, Chairman,

JOSEPH D. LORD,

L. H. KUNHARDT.

Government of the City of Melrose

1913

Mayor,
OLIVER B. MUNROE.

President of the Board of Aldermen,
J. SYDNEY HITCHINS.

Aldermen-at-Large.	Ward
Edwin Thatcher Clark, 466 Pleasant Street	5
John Dike, 112 W. Emerson Street	4
Joshua T. Nowell, 64 Nowell Road	2
William A. Carrie, 22 York Terrace	1
J. Sydney Hitchins, 194 E. Foster Street	6
Leslie F. Keene, 33 Richardson Road	2
Arthur F. Whalen, 62 Mount Vernon Street	5

Ward Aldermen.	
Edward F. Cassell, 141 Melrose Street	1
Arthur T. Gage, 275 Tremont Street	1
Alton W. Eldredge, 29 Nowell Road	2
Angier L. Goodwin, 33 Reading Hill Avenue	2
Melvin A. Walter, 39 Cleveland Street	3
Harry C. Woodill, 306 W. Emerson Street	3
Sidney H. Buttrick, 87 Essex Street	4
Fred A. Perkins, 153 E. Emerson Street	4
Arthur T. Mather, 110 Crescent Avenue	5
Frederick T. Peabody, 50 Florence Street	5
Jonathan H. Atkinson, 164 E. Foster Street	6
William H. Johnson, 45 Laurel Street	6
Eugene L. Pack, 28 Irving Street	7
Albert M. Tibbetts, 109 Meridian Street	7

BOARD OF ALDERMEN—STANDING COMMITTEES FOR 1913.

Appropriations.

Aldermen Buttrick, Carrie, Goodwin, Keene, Peabody, Nowell, Dike, Clark and Walter.

Education, Health and Charity.

Aldermen Carrie, Buttrick, Whalen, Atkinson, Dike, Walter and Eldredge.

Finance.

Aldermen Goodwin, Clark, Buttrick, Atkinson, Mather, Cassell and Pack.

Highways.

Aldermen Keene, Whalen, Walter, Johnson, Perkins, Tibbetts and Gage.

Legal and Legislative Matters.

The President, Dike, Peabody, Carrie, Goodwin, Woodill, and Eldredge.

Protection and Licenses.

Aldermen Peabody, Nowell, Woodill, Perkins, Pack, Cassell and Johnson.

Public Service.

Aldermen Nowell, Woodill, Clark, Keene, Mather, Gage and Tibbetts.

Clerk of Committees.

VICTOR C. KIRMES.

City Officers,

City Clerk,

W. DeHaven Jones.

Assistant City Clerk and Clerk of Committees,

Victor C. Kirmes.

City Treasurer,

William R. Lavender.

City Collector,

James W. Murray.

City Auditor,

Edwin C. Gould.

Assistant City Auditor,

William T. Wolley.

Engineer and Superintendent of Public Works,

George O. W. Servis.

Mayor's Clerk,

Blanche E. Nickerson.

City Solicitor,

Arthur S. Davis.

Chief of Fire Department,

Joseph Edwards.

Chief of Police,

George E. Kerr.

Inspector of Buildings,

George L. Burgess.

Inspector of Plumbing,

Andrew J. Burnett.

Inspector of Food,

David O. Parker.

Inspector of Slaughtering,

David O. Parker, Frank P. Sturgis.

Inspector of Milk and Vinegar,

Earle B. Phelps, Robert N. Hoyt.

Collector of Milk Samples,

Arthur L. Hayden.

Inspector of Animals,

F. P. Sturges.

Sealer of Weights and Measures,

Charles E. Merrill,

CITY OF MELROSE

Superintendent Brown Tail and Gypsy Moth.

John J. McCullough.

Agent State, Military Aid and Soldiers' Relief.

Albert A. Carlton.

Burial Agent,

Albert A. Carlton.

Assessors,

Frank R. Upham, term expires 1916.

L. Frank Hinckley, term expires 1914.

William Morss, term expires 1915.

Assistant Assessors,

Alden B. Smith,

Merton G. Woodbury,

Charles Roeder.

Inspector of Wires,

Isaac L. Corthell.

Board of Health.

Clarence P. Holden, M.D., Chairman,

Arthur A. Hayden,

Edmund L. Grundy,

Grace French, *Clerk*

City Physician,

Clarence P. Holden, M.D.

Overseers of the Poor,

Adaline G. Reed, Chairman.

Aaron Hill

Bertram E. Lovejoy,

Grace French, *Clerk*.

Matron of Pratt Farm,
Mrs. F. E. Mann.

Superintendent of Pratt Farm.
Frank E. Mann.

Park Commission,

Clarence T. Fernald, Chairman	Term expires	1915
Addison L. Winship	" "	1914
Robert A. Perkins	" "	1918
Harry N. Vaughn	" "	1917
George J. Foster	" "	1916

School Committee.

Wallace R. Lovett	Term expires	1914
Eben F. Philips	" "	1914
Sarah A. Day	" "	1914
William Coggeshall	" "	1915
Lowell F. Wentworth, Chairman	" "	1915
Frank L. Welt	" "	1915
Elmer O. Goodridge	" "	1916
Isabelle Stantial	" "	1916
William A. Morse	" "	1916

Sinking Fund Commissioners,

Edward J. Kitching, Chairman	Term expires	1916
Franklin P. Shumway	" "	1914
Everett L. Fuller	" "	1915

Trustees of the Public Library,

William T. Atwood	Term expires	1915
Rev. Paul Sterling	" "	1915
Edward M. Munyan, Chairman	" "	1914
Mary L. Charles	" "	1914
Neil A. Divver	" "	1916
Anna T. Bush	" "	1916

Cemetery Committee,

Willis C. Goss, Chairman,

Joseph D. Lord,

L. Henry Kunhardt.

Edwin C. Gould, Clerk

Roscoe A. Leavitt, Supt. Wyoming Cemetery.

Registrars of Voters,

Edwin L. Cragin, Chairman	Term expires 1916
John J. Keating	" " 1914
Edwin J. Tirrell	" " 1915

W. DeHaven Jones, City Clerk, Ex-officio.

Engineers of Fire Department,

Joseph Edwards, Chief,
 Edgar W. Mansfield, 1st Assistant,
 Charles F. Woodward, 2d Assistant.

Measures of Wood and Bark, Weighers of Hay and Grain.

George H. Walden	Eugenie J. Verrette	Frank E. Newell
Fred H. Goss	Florence E. Sinclair	George Goodwin
Charles B. Goss	A. H. Sulis, Jr.	George M. Hall

Public Weighers of Merchandise,

Edward A. Riley	Archie E. Jones	Herbert M. Wade
J. Osborn Leisk	Orietta Towner	James McTiernan
Edward M. Caldwell	Patrick G. DeCourcy	Charles F. Woodward
John T. Mulligan	Herbert A. Lord	John Dyer

Field Driver,

Frank E. Mann—George W. Hoag.

Pound Keeper,

Frank E. Mann—George W. Hoag.

Fence Drivers.

Chas. F. Woodward	Philip B. Carter	Charles H. Everson
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Constables,

George W. Burke	Charles E. Merrill	George E. Kerr
Daniel K. Collamore	George E. Burke.	

Keeper of the Lock-up.

George E. Kerr.

Police Officers,

George E. Kerr, Chief
 Redford M. Rand
 George E. Fuller
 William H. Doherty
 Louis B. Heaton
 Wallace B. Eaton
 Garfield Carpenter

Harry Brown, Captain
 William A. Caswell
 William C. McCarthy
 Allston H. Pineo
 Christopher B. Thompson
 Frank N. Pierce
 Michael Reardon

Albert A. McBeth.

Reserve Officers,

Garfield Carpenter
 Albert A. McBeth

William A. Riley
 Daniel J. Foley

Special Officers,

Frederick M. Kirmes	M. James Hanley	Burgess W. Grover
Atwater B. Hathaway	Edgar E. Sherburn	Joseph A. Lavin
	John T. Russell	

Special Officers to Serve Without Pay,

Frank E. Mann	William Riley	Ralph Cray
Frank C. Newman	George H. Cray	Charles J. Wing
	Charles E. Merrill	

Index to Auditor's Report

Finances	179
City of Melrose—Municipal and Permanent Debt	180
Bonded Debt	181
Cash Account	183
Ledger Balances	185
Assets and Liabilities	189
Revenue	190
Assessments	191
Water Rates	196
Tax Titles	196
Commonwelath of Massachusetts	197
Fire Loss City Stables	199
Water Income	199
Departmental—General Government	200
Police Department	212
Fire Department	215
Inspection	219
Board of Control	220
Forestry	220
Dog Officers	222
Health and Sanitation	222
Highways	227
Charities	231
Melrose Hospital	223
Soldiers' Benefits	233
Education—School Department	234
Libraries	239
Recreation	241
Unclassified	246
Public Service Enterprise	248
Trust Funds	264
Sinking Funds	266
Schedule of City Property	267
Recapitulation	272

Contents

Assessor's Report	65
Auditor's Report	178
Board of Control	67
Building, Report of Inspector of	54
Cemetery Committee, Report of	280
City Clerk's Report	175
City Physician's Report	72
Collector's Report	273
Fire Department, Report of Engineer of	60
Government of the City of Melrose	200
Health Department, Report of	102
Inspector of Animals, Report of	114
Mayor's Inaugural Address	3
Milk, Report of Inspector of	111
Officers of the City	282
Park Commission, Report of	73
Plumbing, Report of Inspector of	117
Police Department, Report of Chief	69
Poor Department, Report of Overseers	52
Public Library, Report of Trustees of	88
Public Works Department, Report of the Engineer and Superin- tendent	123
Registrars of Voters, Report of	169
Sealer of Weights and Measures, Report of	58
School Committee, Report of	27
Sinking Fund Commissioners, Report of	96
Solicitor's Report	177
Treasurer's Report	120
Wire Department, Report of	51

